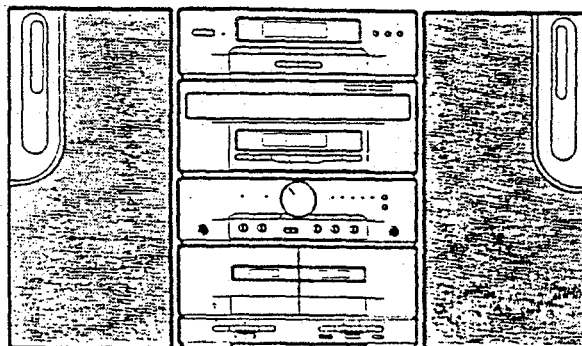


SERVICE MANUAL

SANSUI

MS-6901

3-Disc CD Changer Stereo
Mini-Component System



CAUTION

1. Parts identified the Δ symbol on the schematic diagram and the parts list are critical for safety. Use only replacement parts that have critical characteristics recommended by the manufacturer.
2. Make leakage-current for resistance measurements to determine that exposed parts are acceptably insulated from the supply circuit before returning the appliance to the customer.

Specifications

Amplifier section

Output power 1% T.H.D. 25X2W
S/N Ratio 70 dB
Channel Separation 50dB
Distortion 0.3%
Noise level..... (Volume Max.) 15mV
..... (Volume Min.) 2 mV
D.B.B.S. Effect at 70 Hz 12dB

Radio section

FM Frequency 87.5-108 MHz (100kHz Step)
AM Frequency 522-1620 kHz (9kHz Step)
..... 520-1720 kHz (10kHz Step)
FM Sensitivity S/N 30 dB at 90 MHz 6 μ V
..... at 98 MHz 6 μ V
..... at 106 MHz 6 μ V
AM Sensitivity S/N 20 dB at 600 kHz 450 μ V/m
..... at 1000 kHz 450 μ V/m
..... at 1400 kHz 450 μ V/m

Tape section

Play Frequency Response 125-12500 Hz
Rec/Play Frequency Response Input-75 dB
..... (Normal) 200-12500 Hz
..... (CrO2) 200-12500 Hz
Rec/Play Distortion 2%
Erase Ratio (W/B.P.F.) 60 dB

S/N Ratio (Normal) 45 dB
..... (CrO2) 48 dB
Tape Speed 4.7 cm/sec +3,-2%
Wow & Flutter (R.M.S./JIS) 0.3%

CD section

Frequency Response 31 Hz -20 kHz +2,-4 dB
Wow & Flutter (Unmeasurable)
S/N Ratio 65 dB
Dynamic Range 60 dB

Speaker system

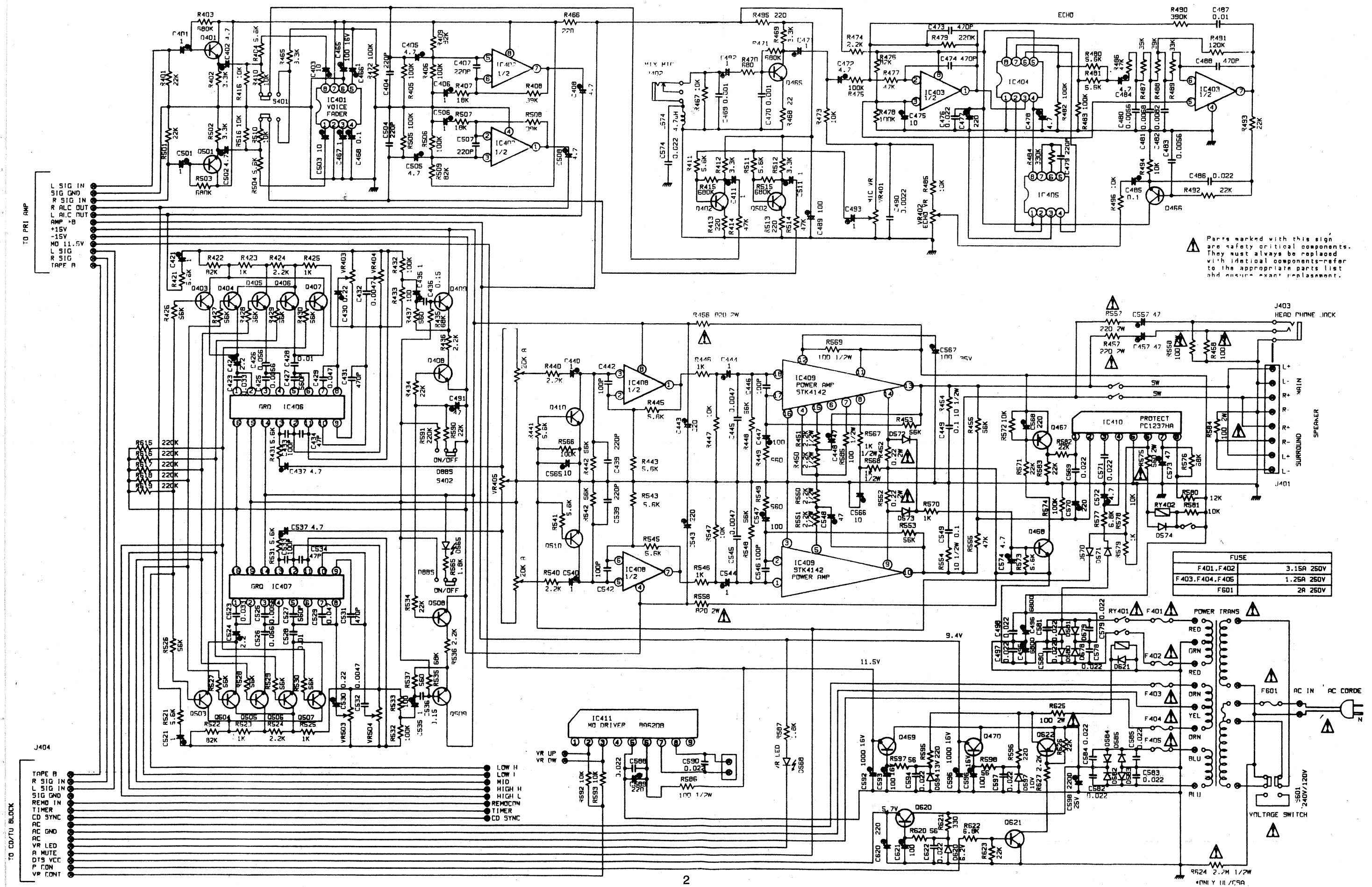
Maximum Input Power 50W
Impedance 4 Ω

Unit Dimensions

Main Unit 402 mm (Height)
..... 286 mm (Width)
..... 333 mm (Depth)
..... Approx. 7,100 g (Weight)
Speaker Cabinet 402 mm (Height)
..... 201 mm (Width)
..... 235 mm (Depth)
..... approx 4300 g x 2 (Weight)

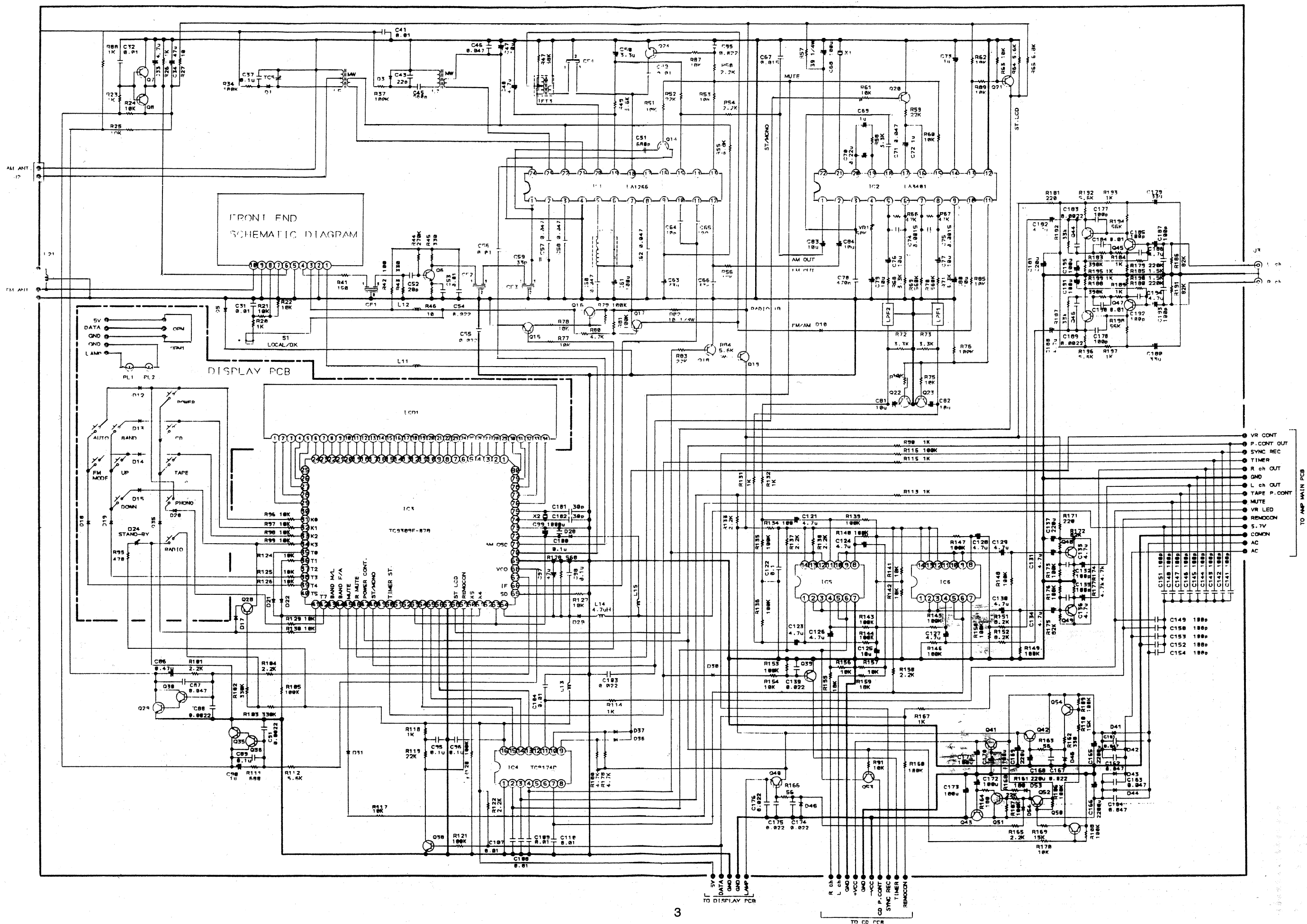
- Design and specifications subject to changes without notice for improvements
- Due to local laws and regulations, this unit sold in some areas are not equipped with variable voltage selectors.
- Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
- "DOLBY" and the double-D symbol $\square\square$ are trademarks of Dolby Laboratories Licensing Corporation.

SCHEMATIC DIAGRAM [POWER AMP SECTION]

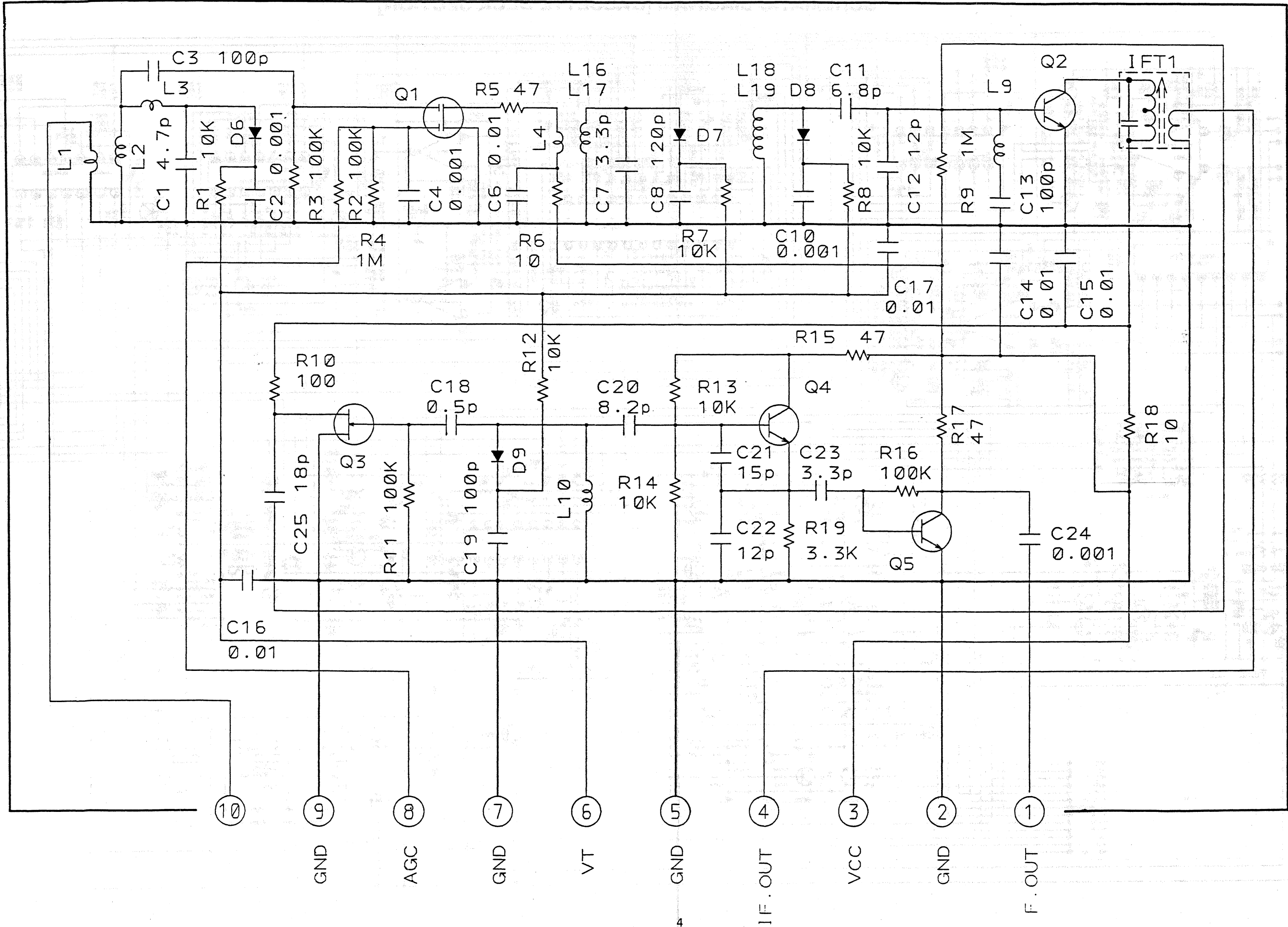


SCHEMATIC DIAGRAM [TUNER SECTION]

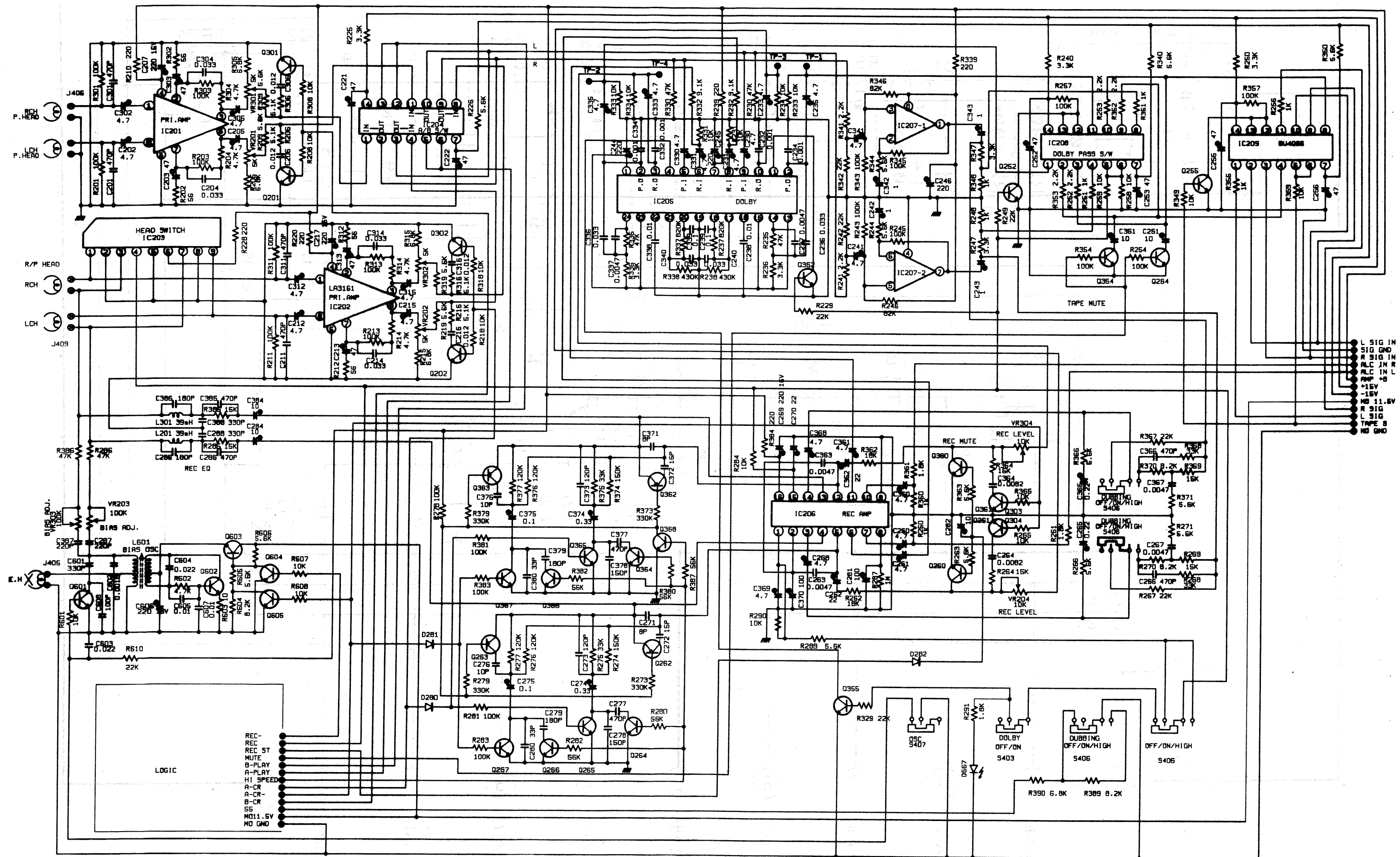
TUNER MAIN PCB



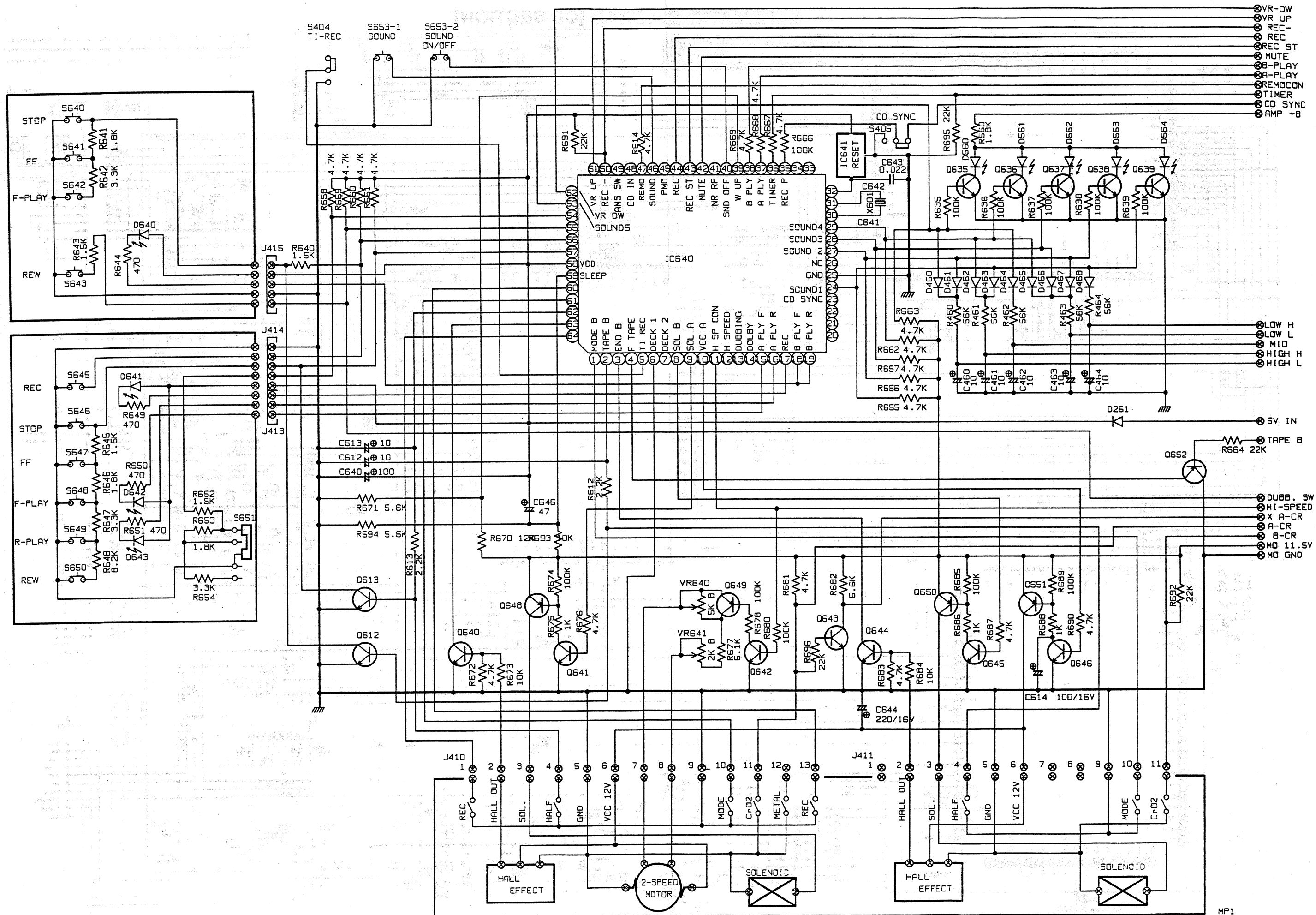
SCHEMATIC DIAGRAM [FRONT END SECTION]



SCHEMATIC DIAGRAM [CASSETTE DECK SECTION]

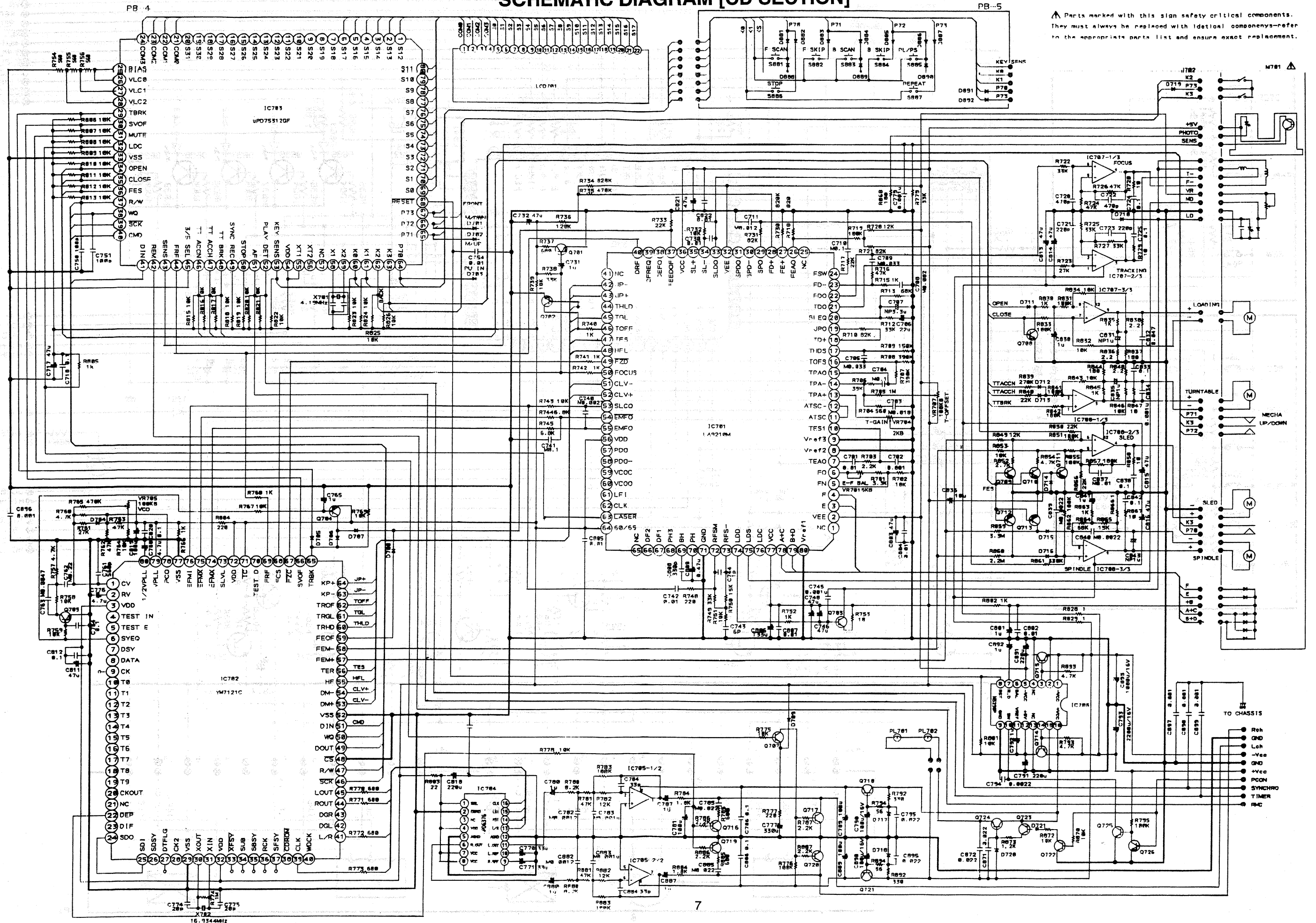


SCHEMATIC DIAGRAM [LOGIC CONTROL SECTION]

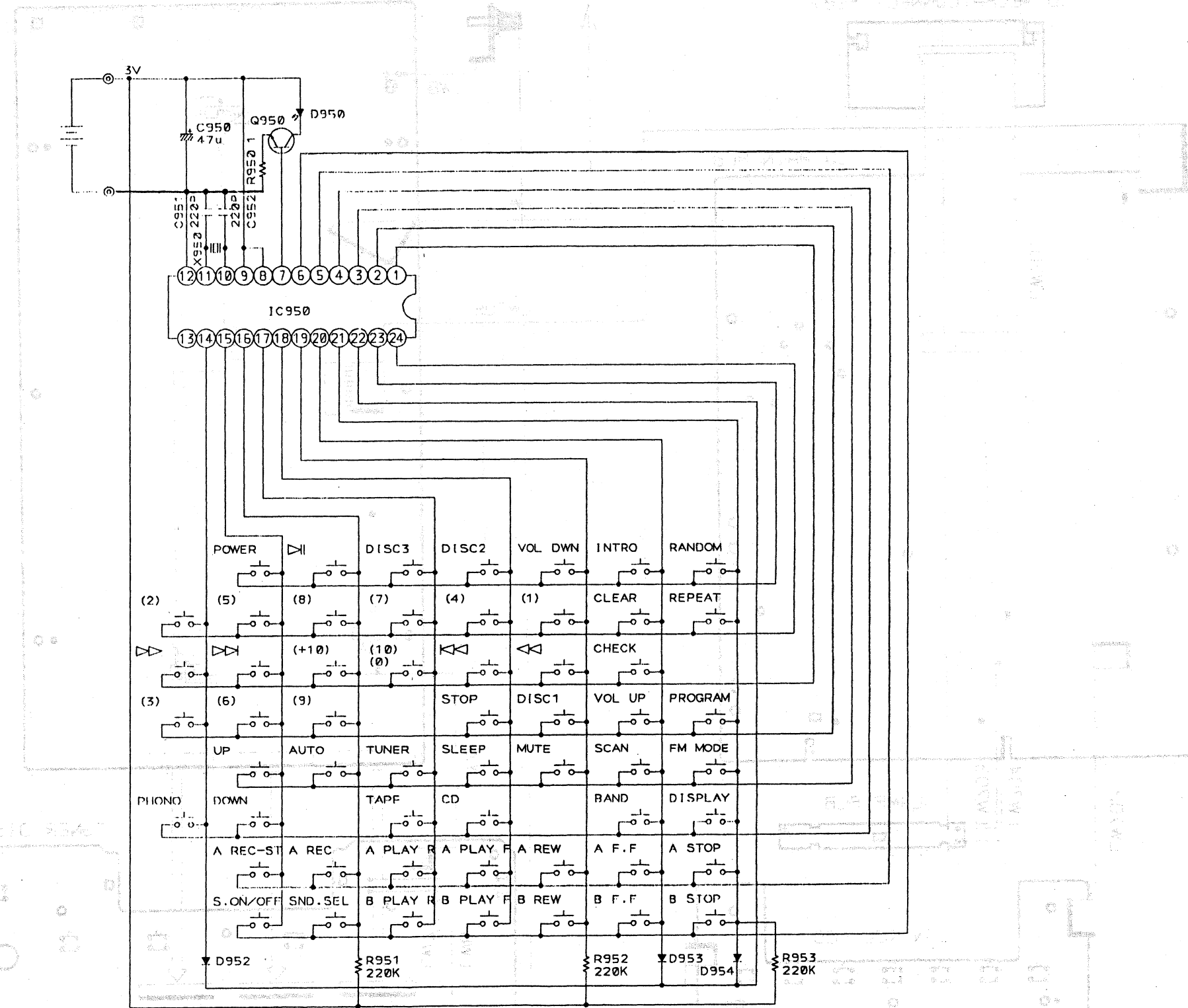


SCHEMATIC DIAGRAM [CD SECTION]

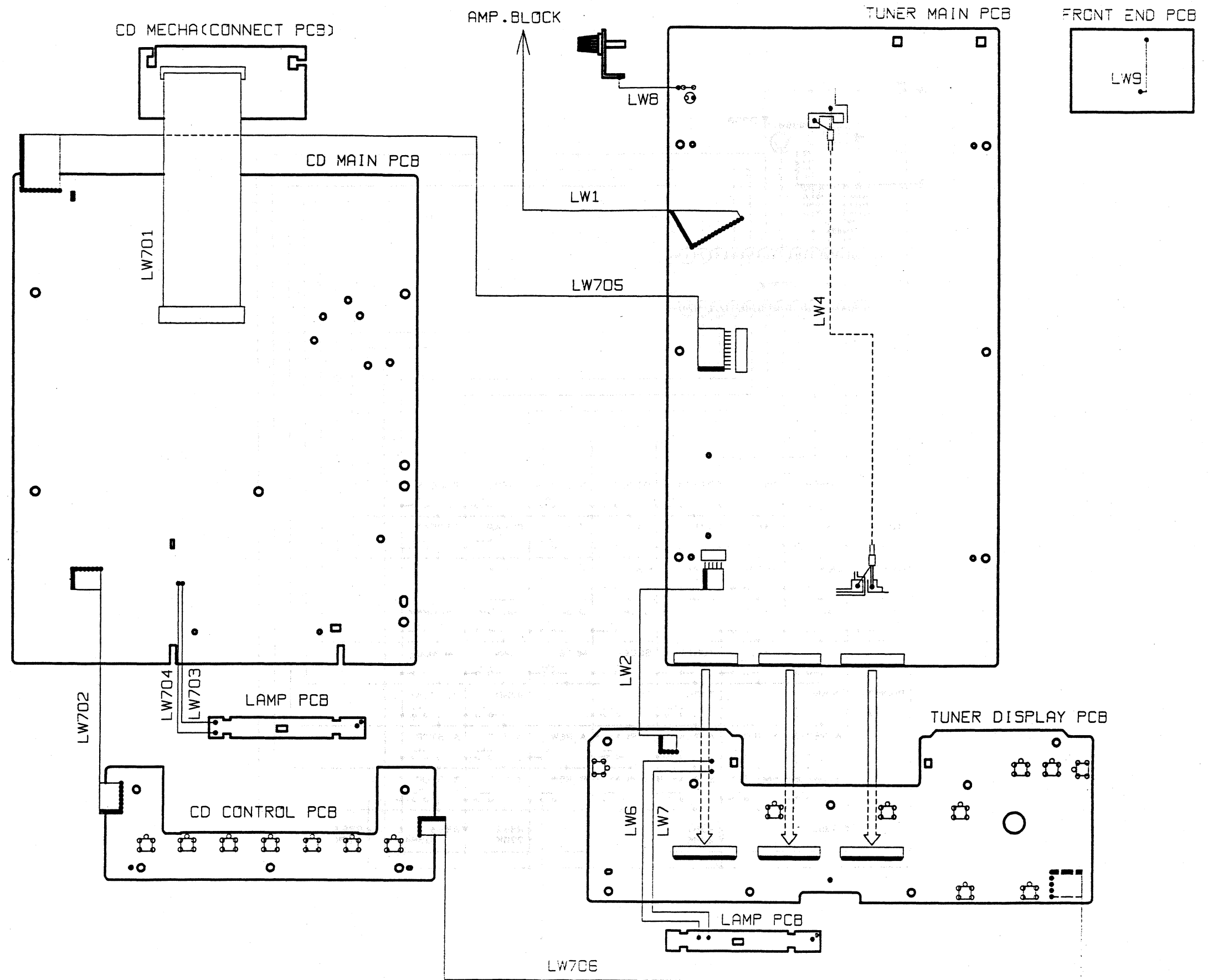
Parts marked with this sign safety critical components. They must always be replaced with identical components—refer to the appropriate parts list and ensure exact replacement.



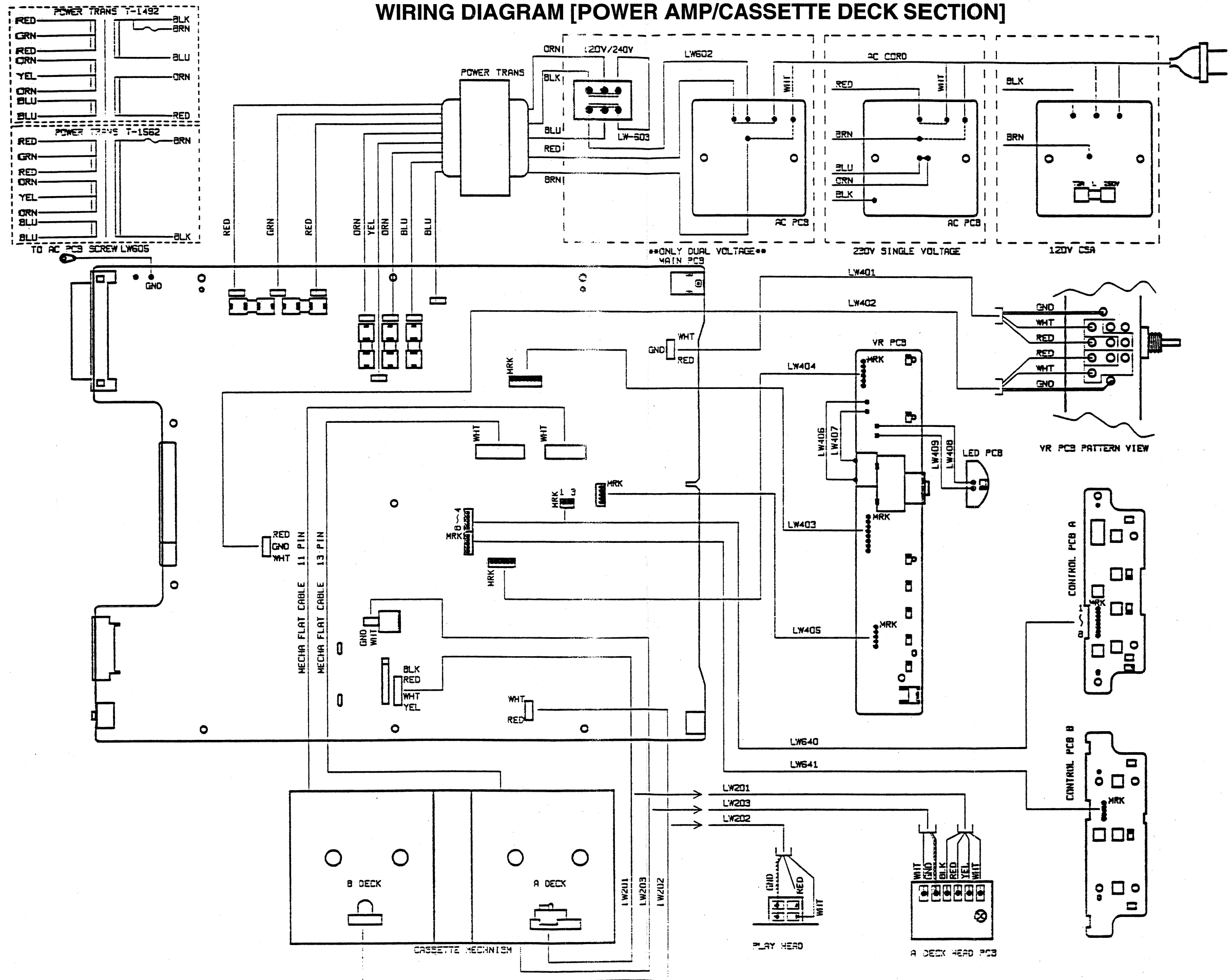
SCHEMATIC DIAGRAM [REMOCON SECTION]



WIRING DIAGRAM [TUNER/CD SECTION]



WIRING DIAGRAM [POWER AMP/CASSETTE DECK SECTION]



4) ADJUSTMENT PROCEDURE

A) FM ADJUSTMENT

STEP	ITEM	CONNECTION	SSG FREQ.	FREQ. SETTING	ADJUSTMENT POINT	RESULT & REMARK
1	FM DET	FIG. 1	Freq:98.1MHz ATT:1mV (60dB)	98.1MHz	1FT2	Maximum Distortion (DT) minimum
2	BEACON SENSITIVITY	FIG. 2	Freq: 98.1MHz ATT:5.6μV(15dB)	98.1MHz		"STEREO" is shown on LCD
3	FM stereo separation	FIG. 2	Freq:98.1MHz ATT:1mV(60dB)	98MHz	VR1	If L-CH input, R-CH should be minimum and visa-versa.

• High coverage and tracking adjustment are not required.

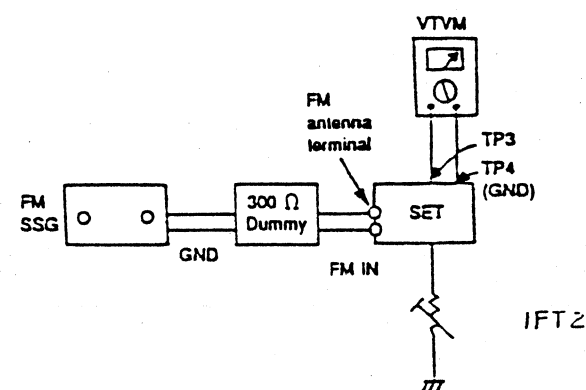


FIG. 1) FM DET COIL

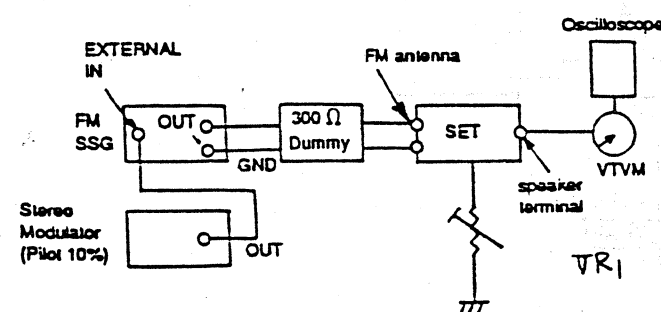


FIG. 2) FM STEREO SEPERATION

B) AM ADJUSTMENT

a) 2 BAND (FM/AM)

STEP	ITEM	CONNECTION	SSG FREQ.	FREQ. SETTING	ADJUSTMENT POINT	RESULT & REMARK
1	Intermediate frequency adjustment	FIG. 4	450KHz	522KHz	1FT3	Maximum output
2	AM frequency coverage adjustment	Connect DC voltmeter to TP2 and GND	—	522KHz	L7	0.75V
3			—	1620KHz		under 8V
4 Repeat step 2 and 3 several times.						
5	AM stereo adjustment	FIG. 4	594KHz	594KHz	L5	Maximum output
6			1404KHz	1404KHz	TC5	
7 Repeat step 5 and 6 several times.						

b) 3 BAND (FM/MW/LW)

U/C BAND (FM/AM/ELW)

STEP	ITEM	CONNECTION	SSG FREQ.	FREQ. SETTING	ADJUSTMENT POINT	RESULT & REMARK
1	LW coverage adjustment	Connect DC voltmeter to TP2 and GND	—	144KHz	L3	0.75V
2			—	288KHz		UNER 8V
3	Repeat step 4 and 5 several times.					
4	LW tracking adjustment	FIG. 4	170KHz	170KHz	L6	Maximum output
			270KHz	270KHz	TC6	
6	Repeat step 4 and 5 several times.					

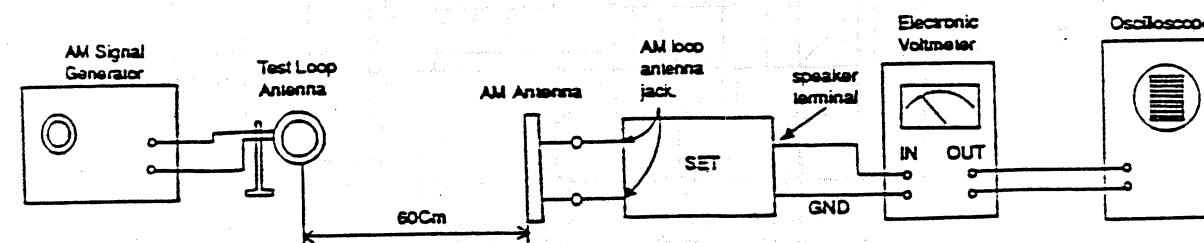


FIG. 4) AM LW TRACKING, AM IF

1. Perf
2. Adju
3. Use
3. Use
impe

RF P
Proc

1. Tu
2. So
3. Co
CK
4. Us
5. Ad
fre
6. Af
ste
7. Pu
8. Co
Mh

E-F
Pro

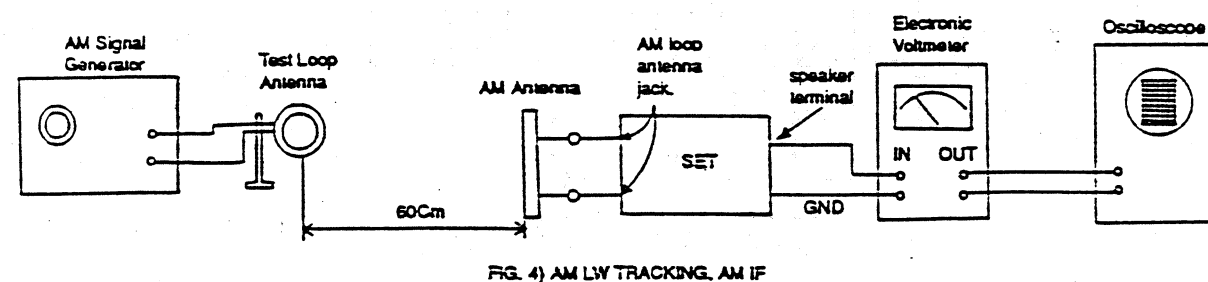
1. T
2. Pt
3. C
4. L
5. A
b
6. A
4

B) AM ADJUSTMENT
a) 2 BAND (FM/AM)

STEP	ITEM	CONNECTION	SSG FREQ.	FREQ. SETTING	ADJUSTMENT POINT	RESULT & REMARK
1	Intermediate frequency adjustment	FIG. 4	450KHz	522KHz	1FT3	Maximum output
2	AM frequency coverage adjustment	Connect DC voltmeter to TP2 and GND	—	522KHz	L7	0.75V
3			—	1620KHz		under 8V
4 Repeat step 2 and 3 several times.						
5	AM stereo adjustment	FIG. 4	594KHz	594KHz	L5	Maximum output
6			1404KHz	1404KHz	TC5	
7 Repeat step 5 and 6 several times.						

b) 3 BAND (FM/MW/LW)

STEP	ITEM	CONNECTION	SSG FREQ.	FREQ. SETTING	ADJUSTMENT POINT	RESULT & REMARK
1	LW coverage adjustment	Connect DC voltmeter to TP2 and GND	—	144KHz	L3	0.75V
2			—	288KHZ		UNER 8V
3	Repeat step 4 and 5 several times.					
4	LW tracking adjustment	FIG. 4	170KHz	170KHz	L6	Maximum output
			270KHz	270KHz	TC6	
6	Repeat step 4 and 5 several times.					



1. Perform adjustments in the order given.
2. Adjust tracking offset last of all.
3. Use YEDS-18.
3. Use the oscilloscope with more than 10MΩ impedance.

RF PLL Adjustment

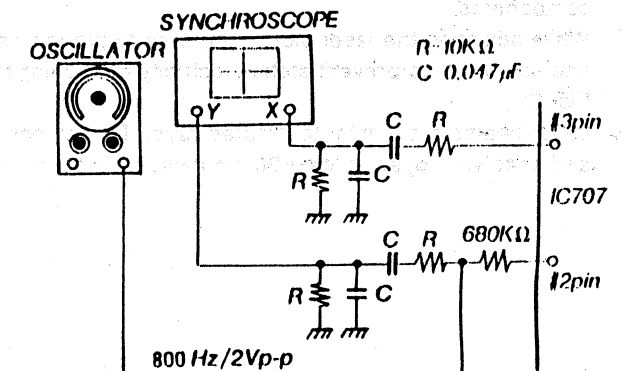
Procedure:

1. Turn POWER switch ON.
2. Solder test points EFMI and GND Short-circuit.
3. Connect the frequency counter to main board test point CK.
4. Use a x 10 synk probe with the frequency counter.
5. Adjust VR705 on main board so that the reading on frequency counter is 4.233 MHz ±30 kHz.
6. After adjustment, unsolder the pattern bridge made in step 2.
7. Put disc (YEDS-18) in and press ■ PLAY button.
8. Confirm that the reading on frequency counter is 4.233 MHz

Tracking Gain Adjustment

Procedure:

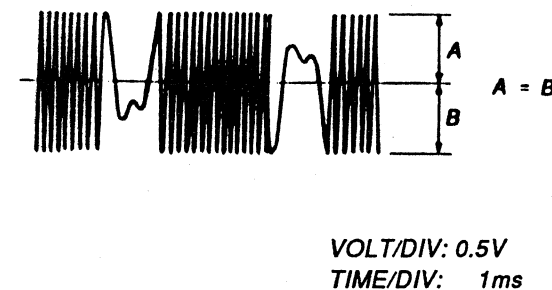
1. Keep the set horizontal, this adjustment cannot be performed due to the gravity against the 2 axis device.
2. Put disc (YEDS-18) in and press PLAY button.
3. Connect oscilloscope to the test circuit.
4. Connect the test circuit to main board #2, #3 pin of IC 707. Apply 800 Hz 2Vp-p to #2 pin from an external OSC via 680 KΩ resistor and adjust VR704 so that phase is 90° with respect to that of the external OSC during playback.



E-F Balance Adjustment

Procedure:

1. Turn POWER switch on.
2. Put disc (YEDS-18) in and press PLAY button.
3. Connect oscilloscope to the test point TEAO.
4. Unsolder jumper wires at P70-K2 and TROF-VCC.
5. Adjust VR701 (EF-BAL) so that the traverse waveform becomes symmetrical above and below.
6. After adjustment, unsolder jumper wires made in step 4.



Tracking Offset Adjustment

Procedure:

1. Keep the set horizontal. Point)
2. Turn POWER switch on.
3. Solder test points TROF and GND Short-cuit.
4. Connect oscilloscope to the test point TDO.
5. Adjust VR707 so that the Offset signal level becomes + 50mV ±10mV.
6. After adjustment, unsolder the pattern bridge made in step 2.

Notes:

1. How to handle the pickup support assembly
- (1) Do not apply shocks to the assembly.
 - (2) Do not touch the object lens.
 - (3) Do not place the assembly in a place subject to excessive dust, heat or moisture.
 - (4) Do not disassemble.
 - (5) During the transportation, mounting and dismounting of the assembly, support it with your fingers at points A and B as shown in Fig. 1. Be particularly careful not to touch the actuator, LPC board, photosensor and LD plate and do not apply force to them.

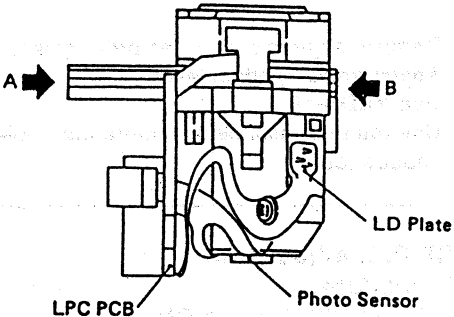


Fig. 1

2. Cleaning the object lens.

- (1) If the object lens becomes dirty, playback will deteriorate.
- (2) To clean the lens, moisten KODAK cleaning tissue in isopropyl alcohol and wipe the lens gently.

3. To prevent the laser diodes for deteriorating and to protect them from destruction.

- (1) Do not touch the laser diode terminal, the LPC board and circuit components.
- (2) While adjusting the laser pickup, be sure to ground instruments connected and your body to prevent static electricity destroying the laser diodes (see Fig. 2)
- (3) Laser beams are similar to infrared rays. Do not look at the beams directly and keep your eyes at least 30 cm away from them.

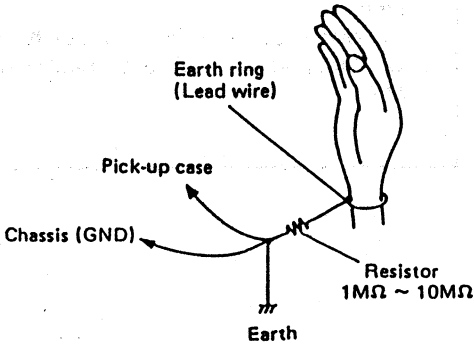


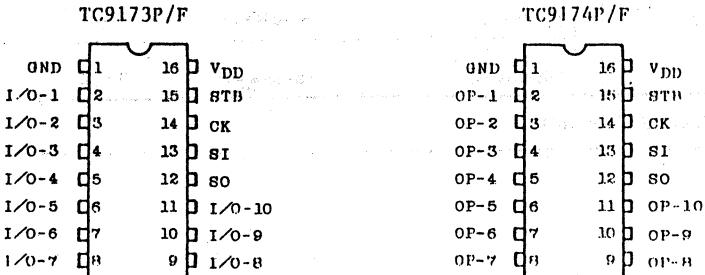
Fig. 2

INTERIOR BLOCK DIAGRAM & TERMINAL FUNCTION OF ICS

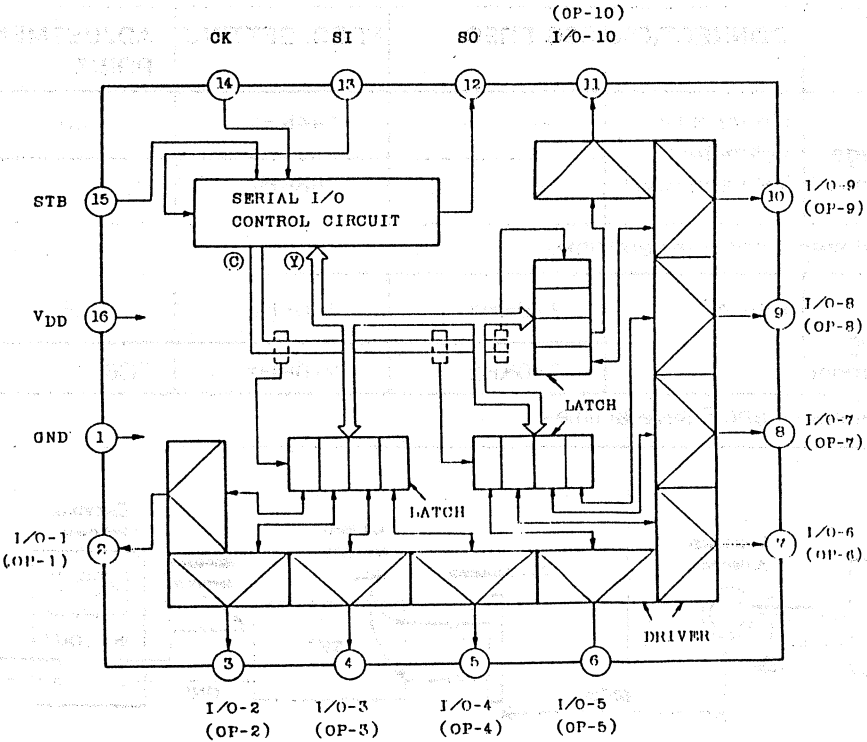
TC 9174P

T5

PIN CONFIGURATION



BLOCK DIAGRAM

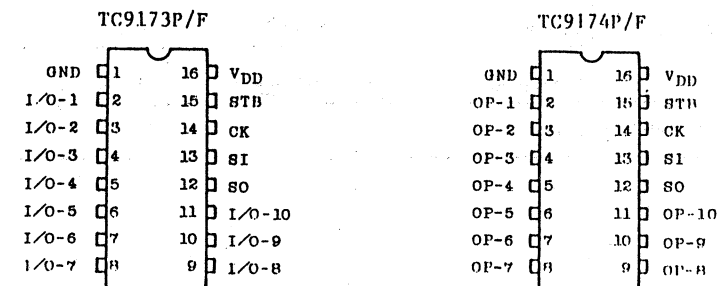


Note : The name in () is the terminal name for TC9174P/F.

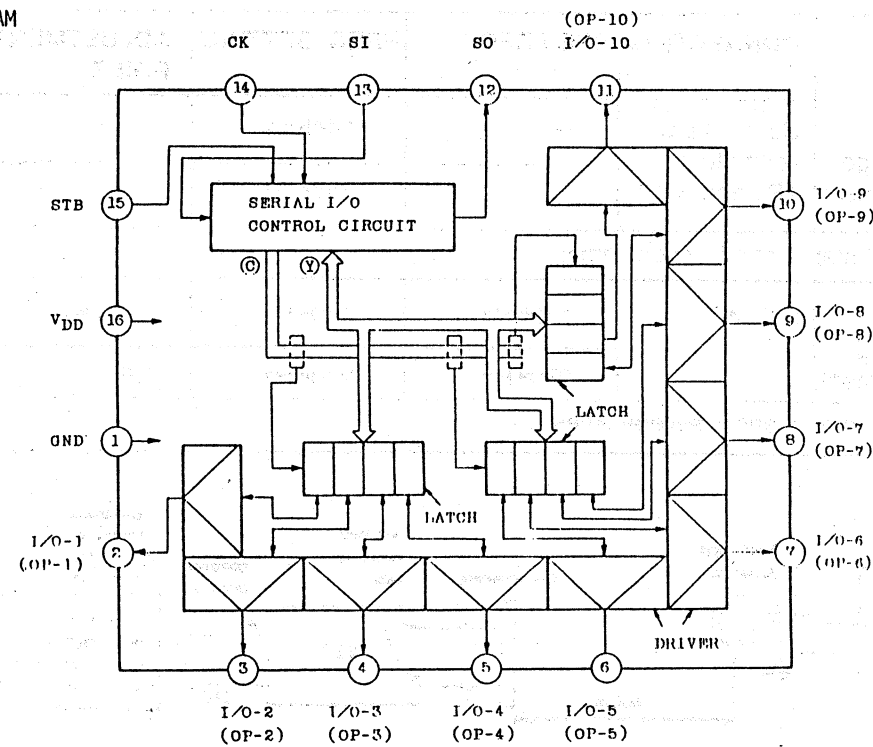
INTERIOR BLOCK DIAGRAM & TERMINAL FUNCTION OF ICS

TC 9174P

PIN CONFIGURATION

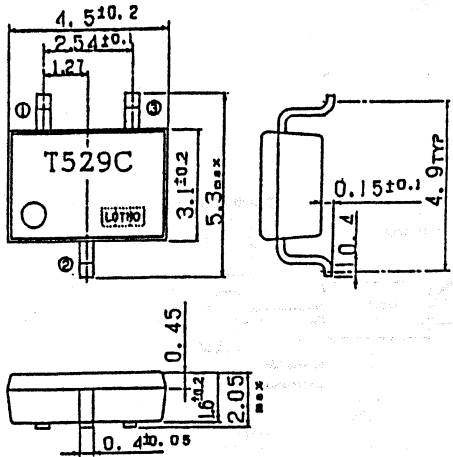
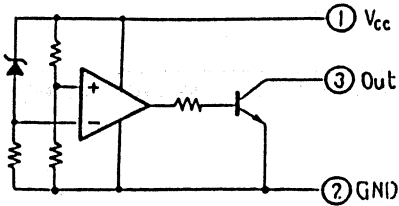
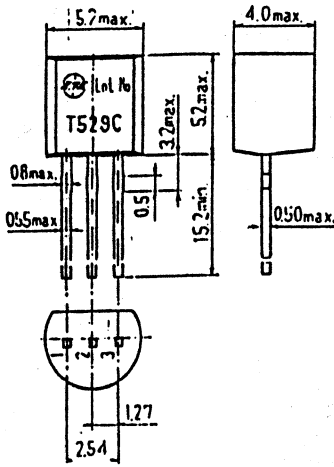


BLOCK DIAGRAM



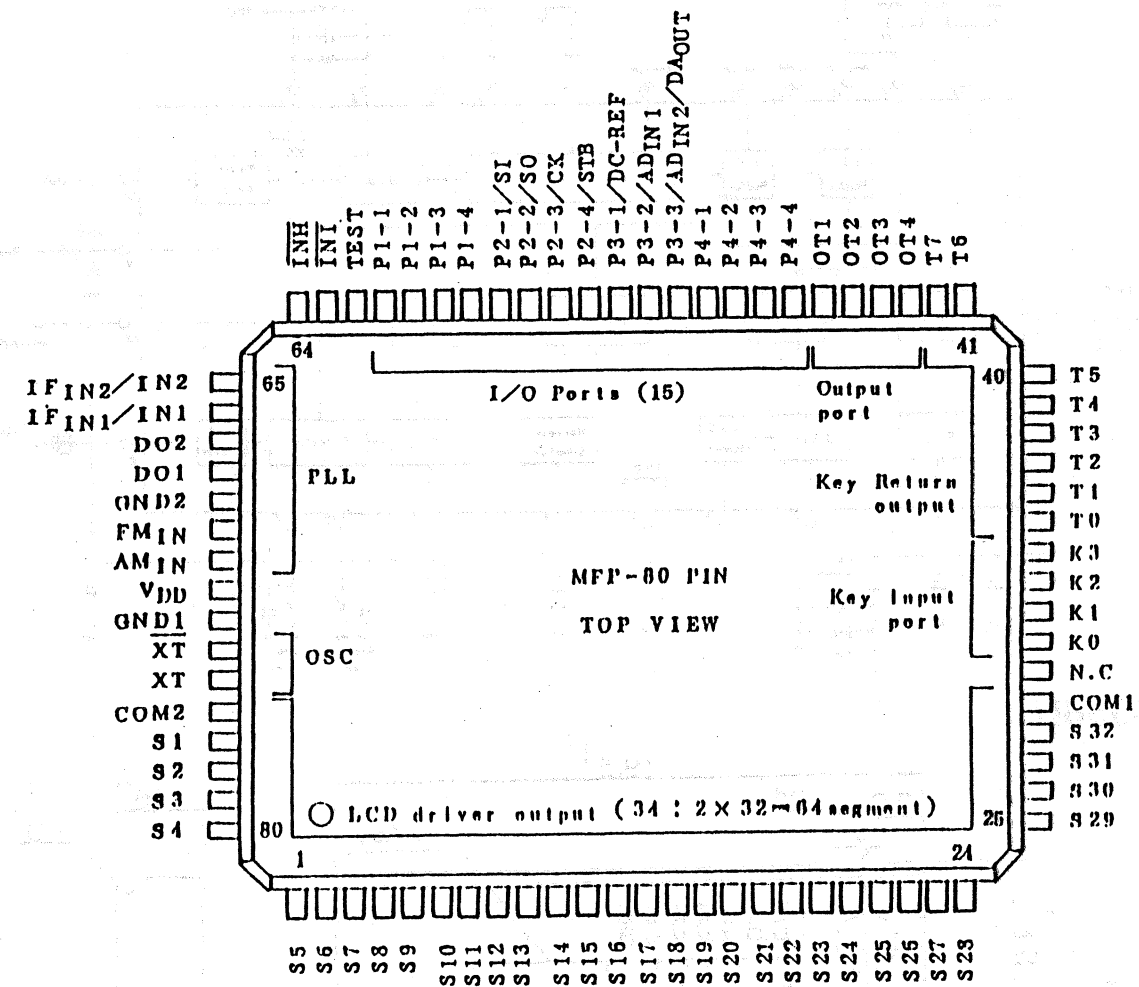
Note : The name in () is the terminal name for TC9174P/F.

T529C



TC9309F

PIN CONNECTION



TOP VIEW MINI FP-80PIN

BU4066B

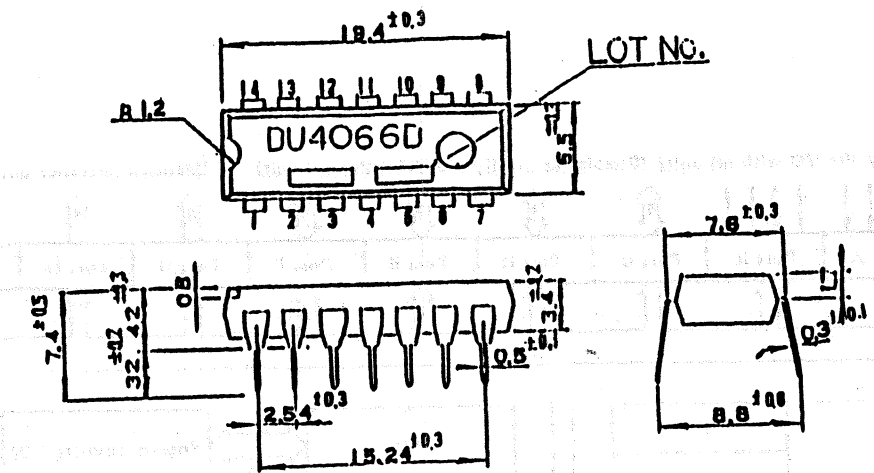


Fig-1 PHYSICAL DIMENSIONS (UNIT :mm)

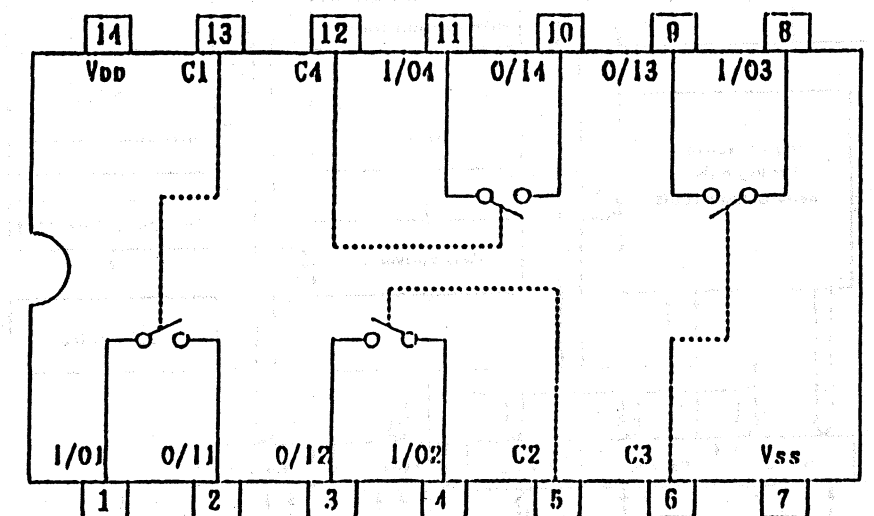
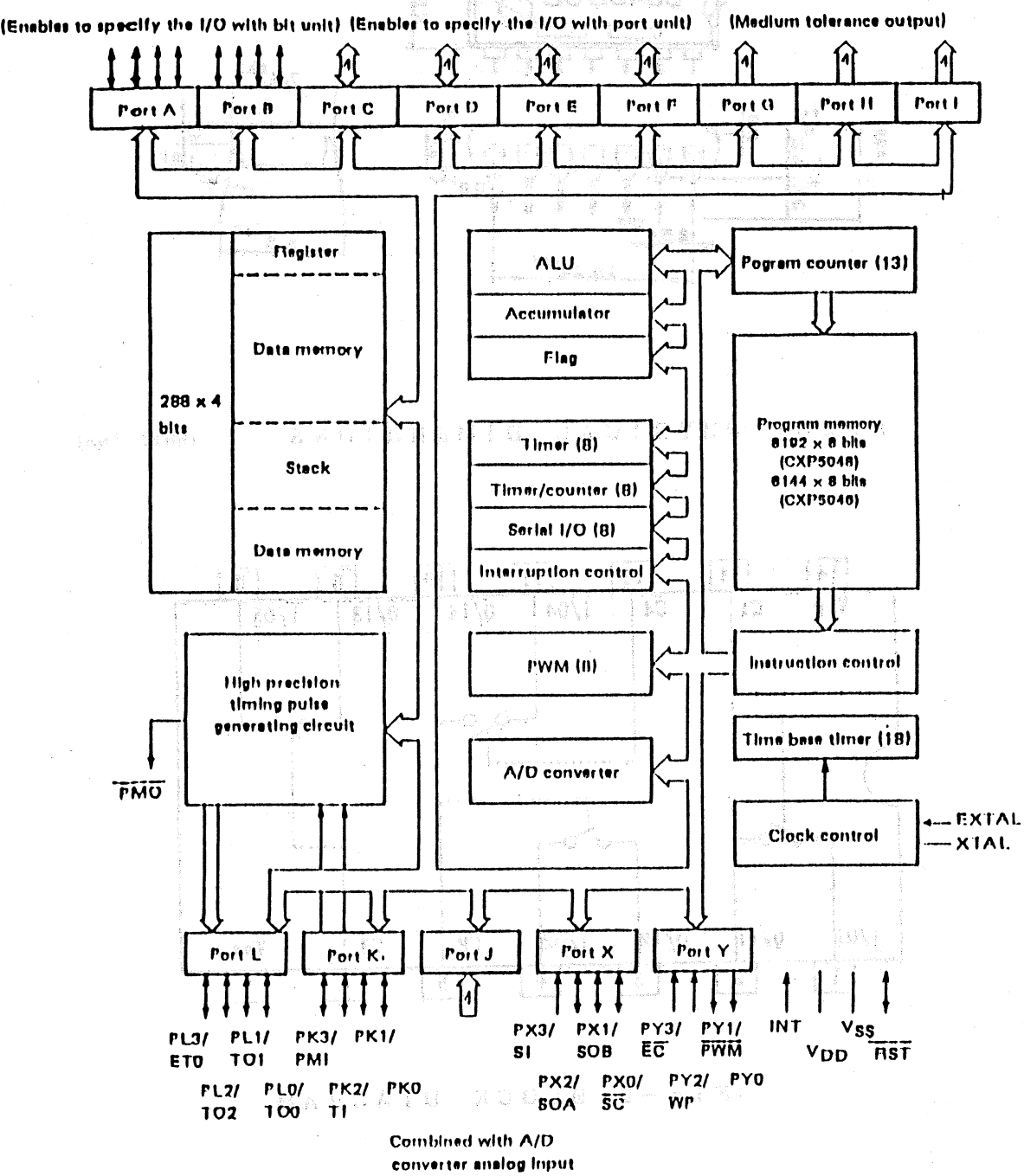


Fig-2 BLOCK DIAGRAM

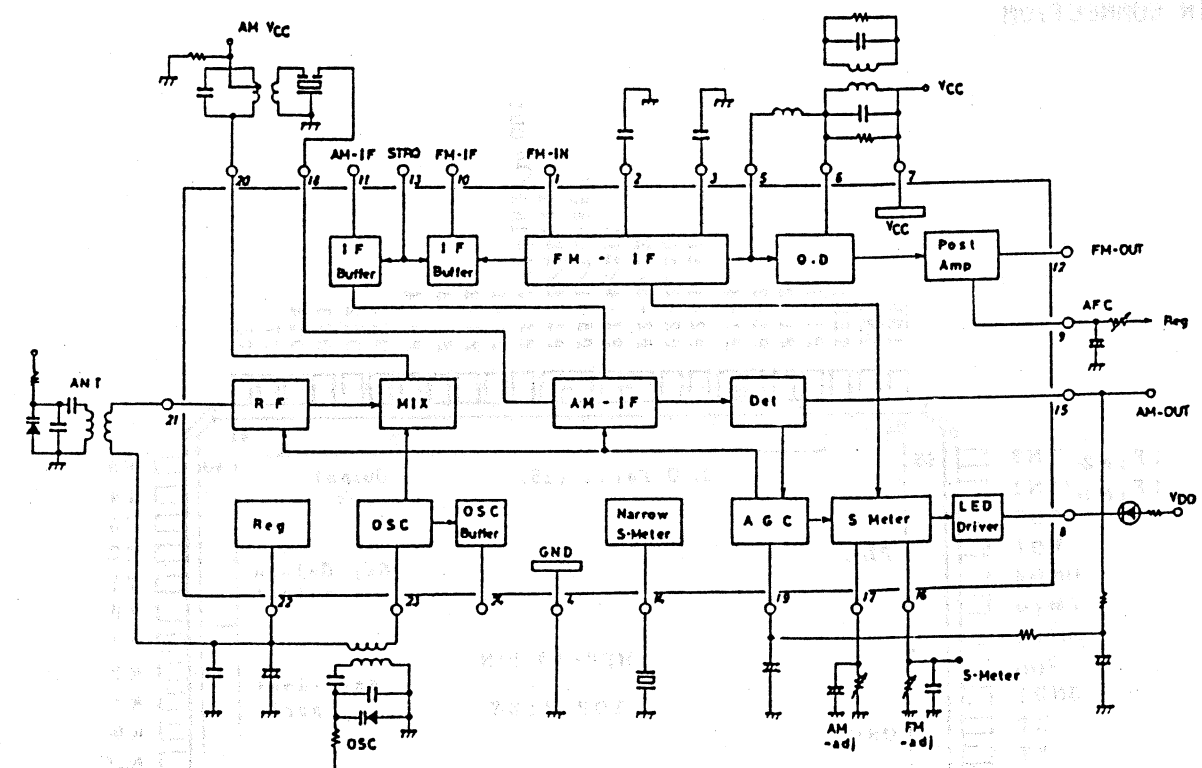
CXP5046

Block Diagram



LA1266

Equivalent Circuit Block Diagram



BA4558N

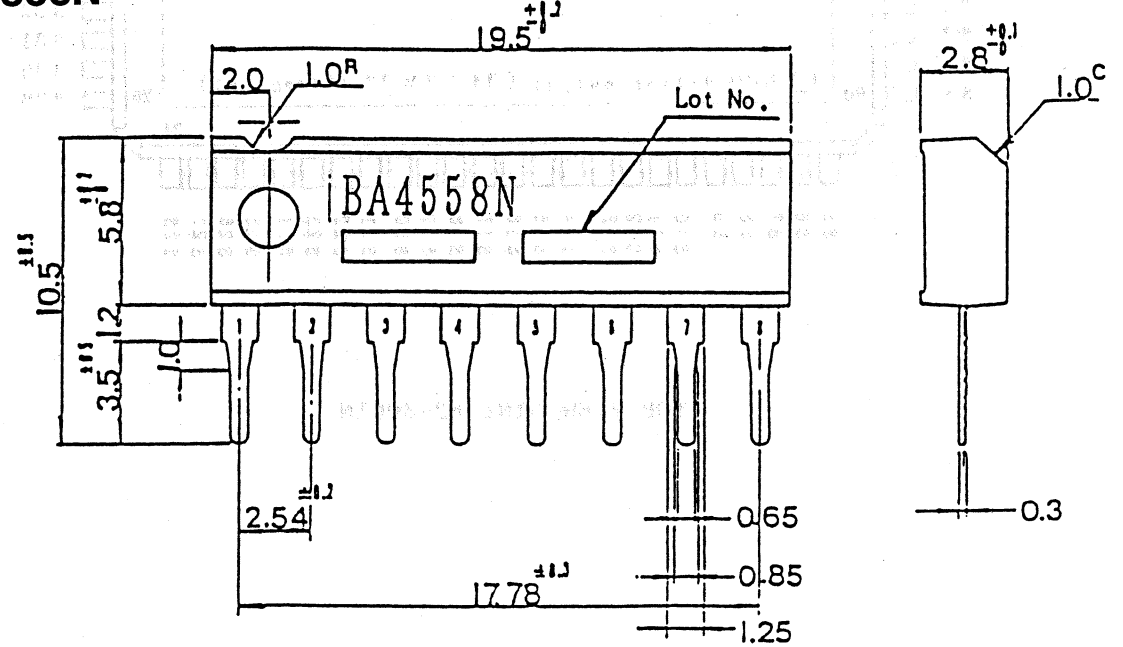
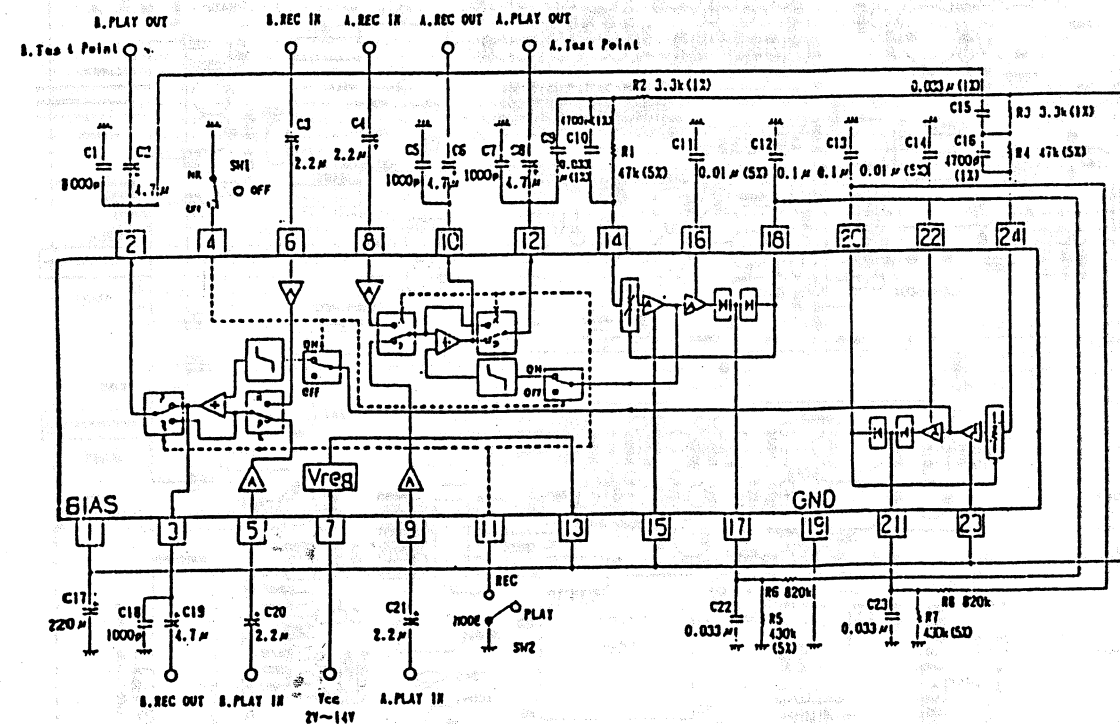


Fig.-1 Physical Dimentions (Unit : mm)

BA1104LS

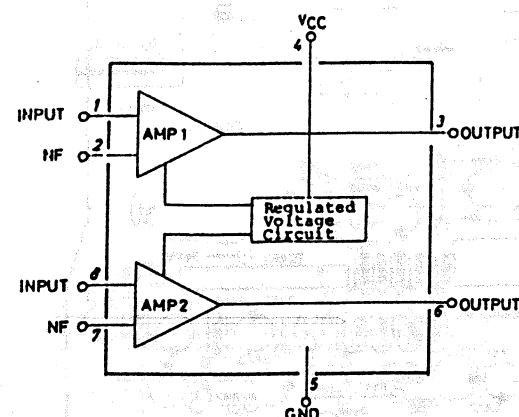
Application Board Circuit Diagram



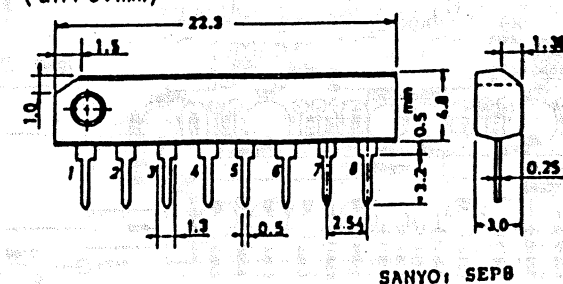
(Capacitor; P, resistor; Ω)

LA3161

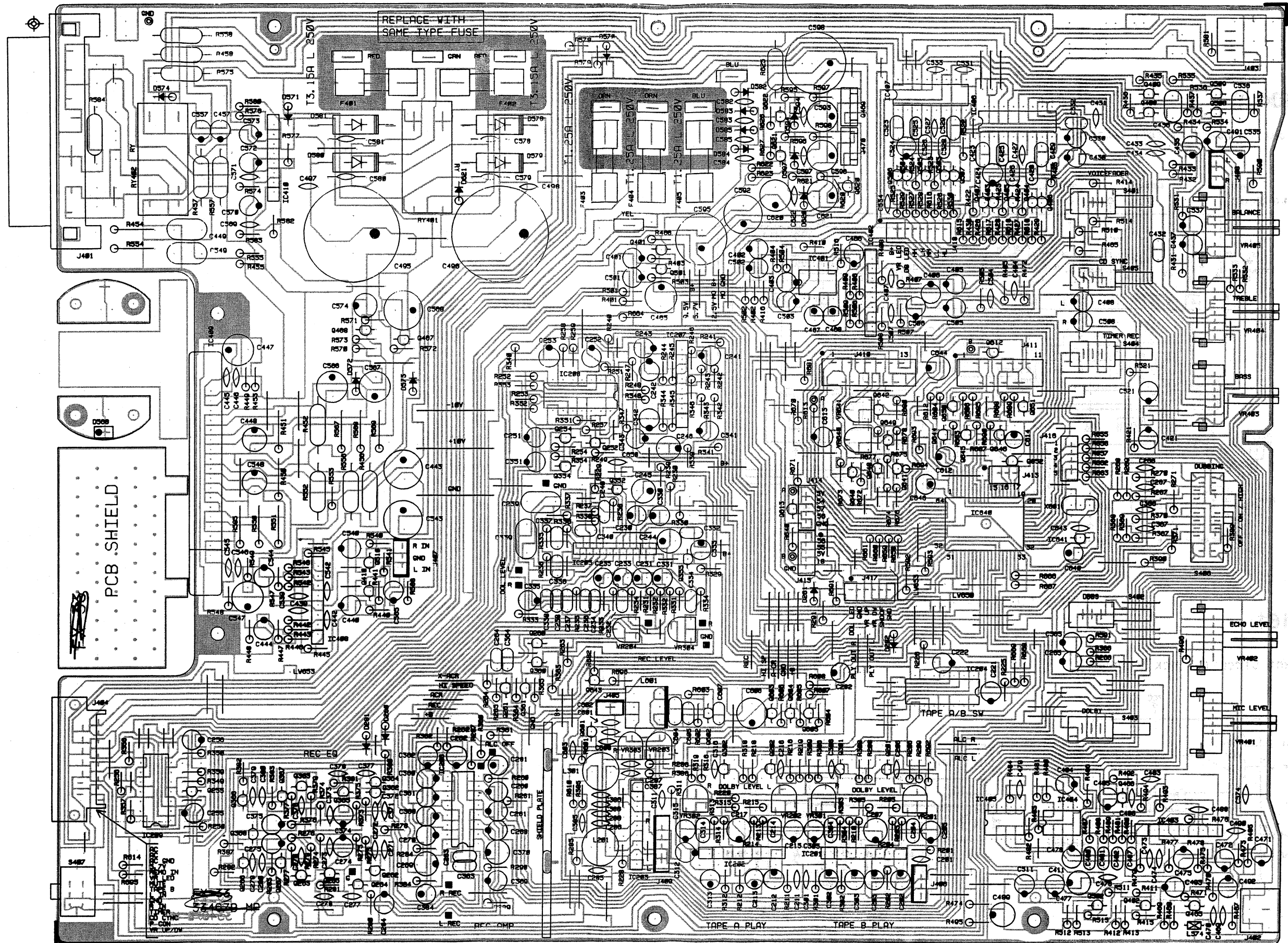
Equivalent Circuit Block Diagram



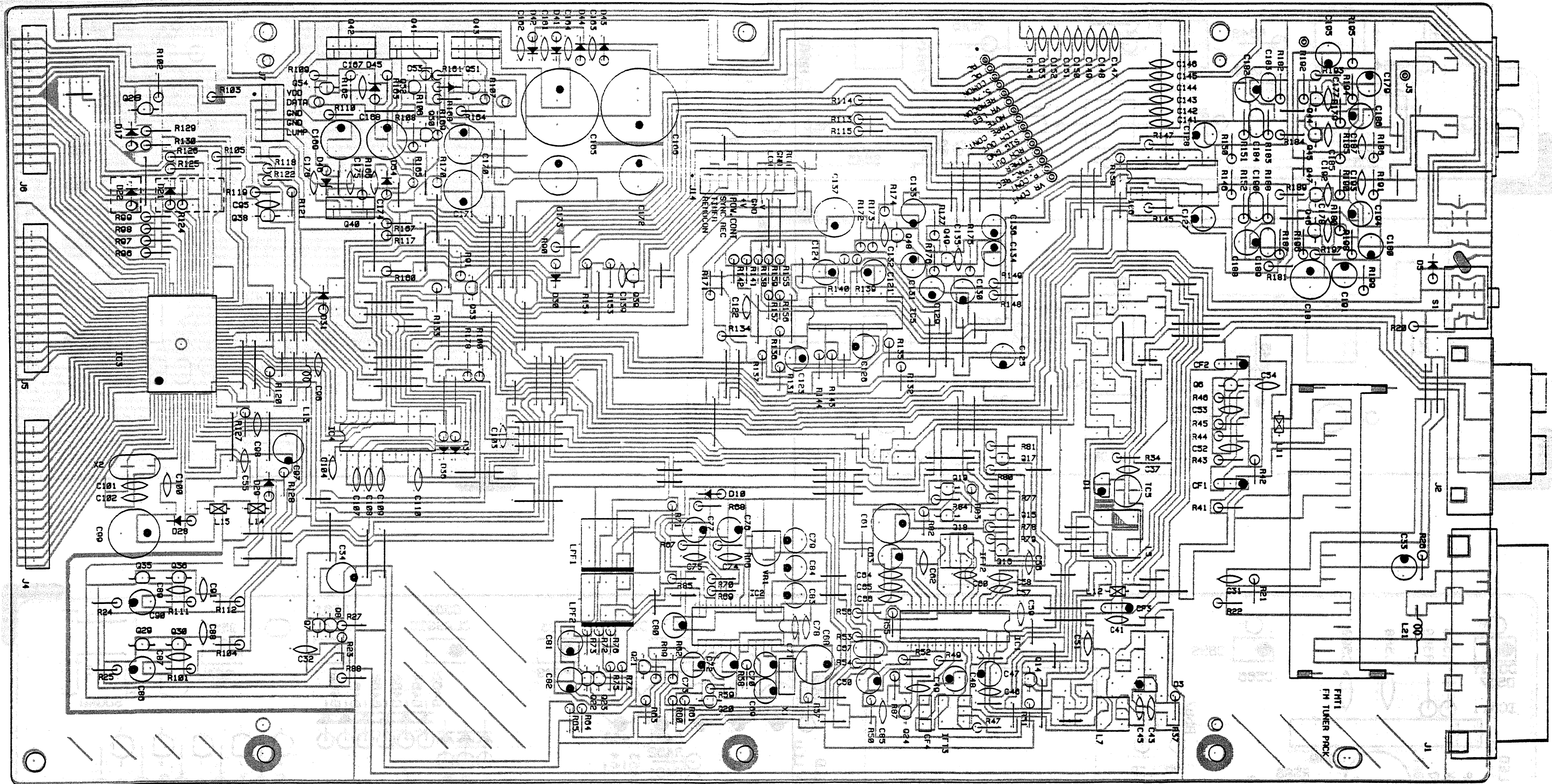
Case Outline 3016B-S81C
(unit:mm)



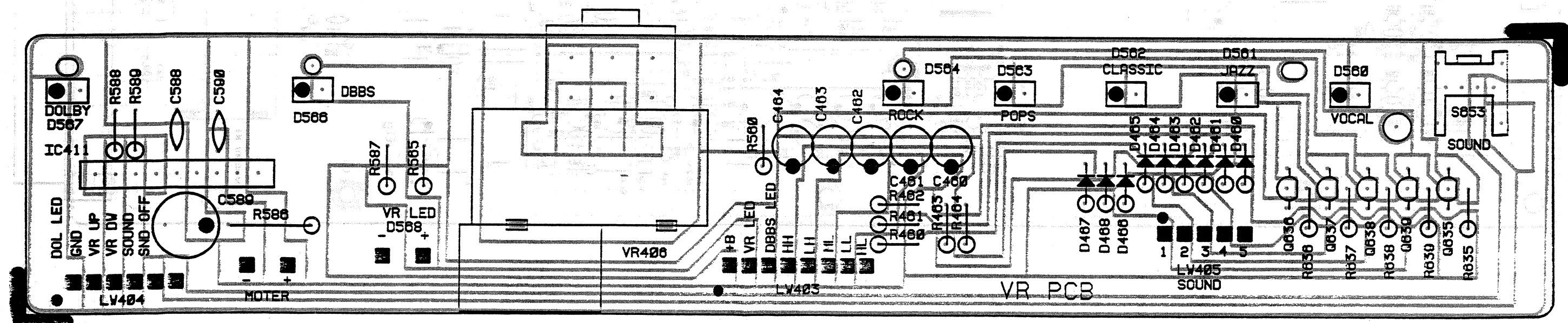
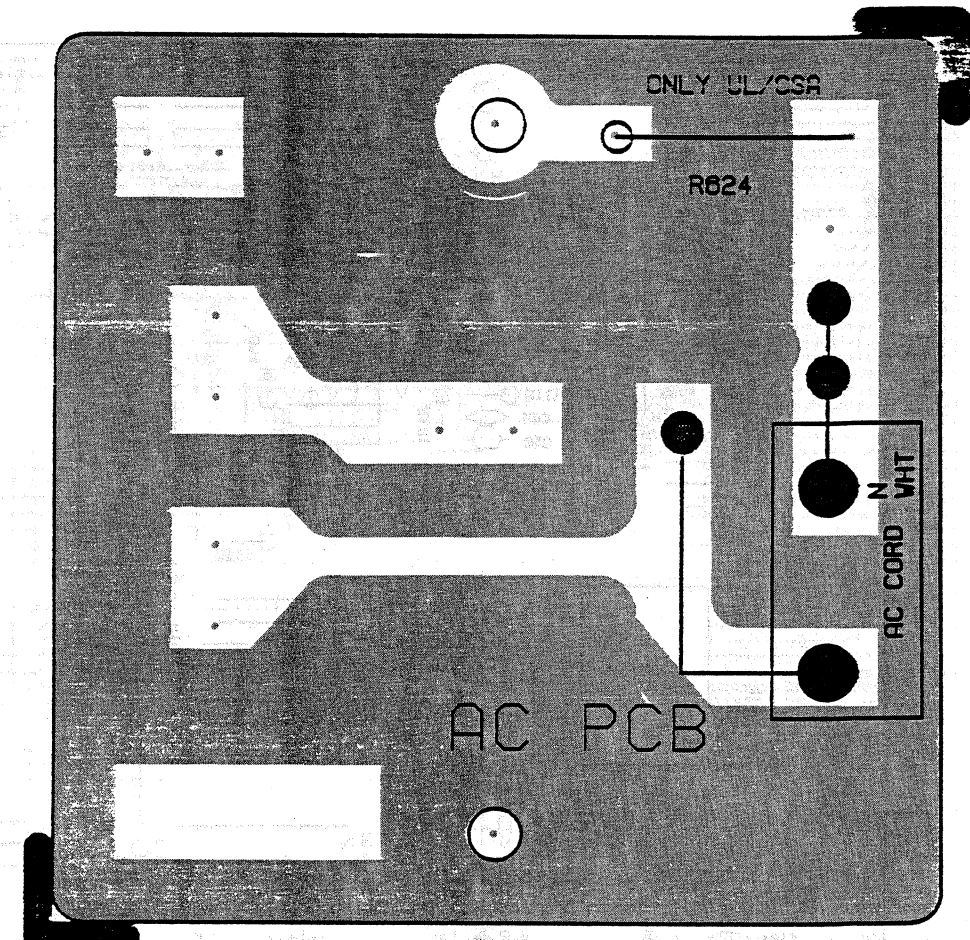
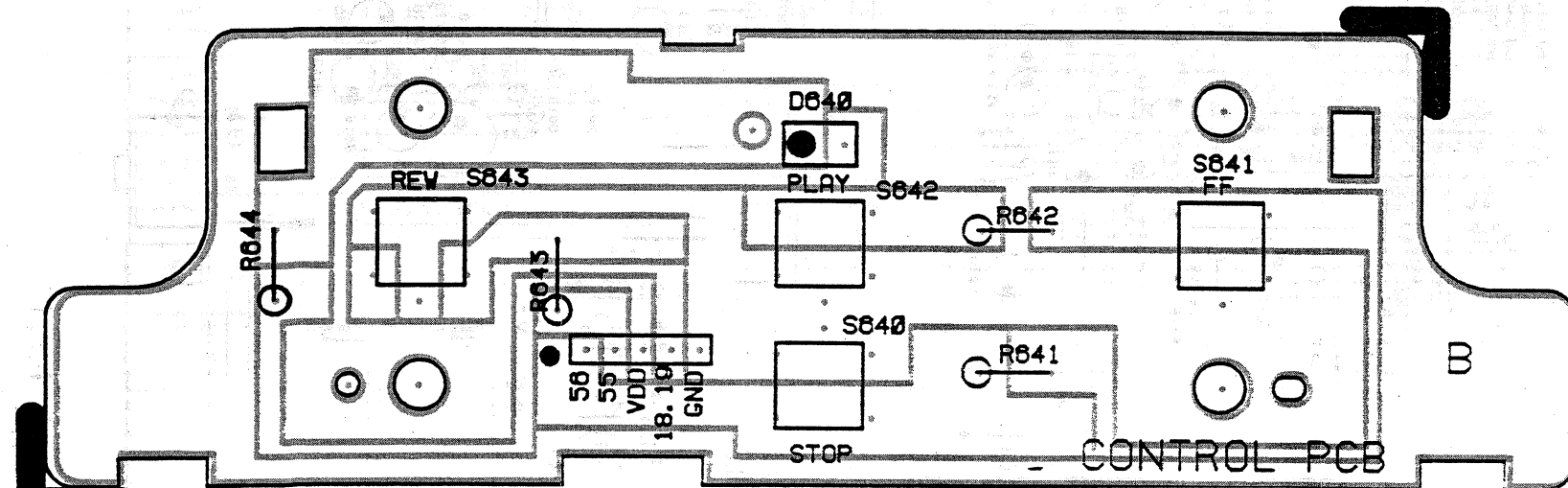
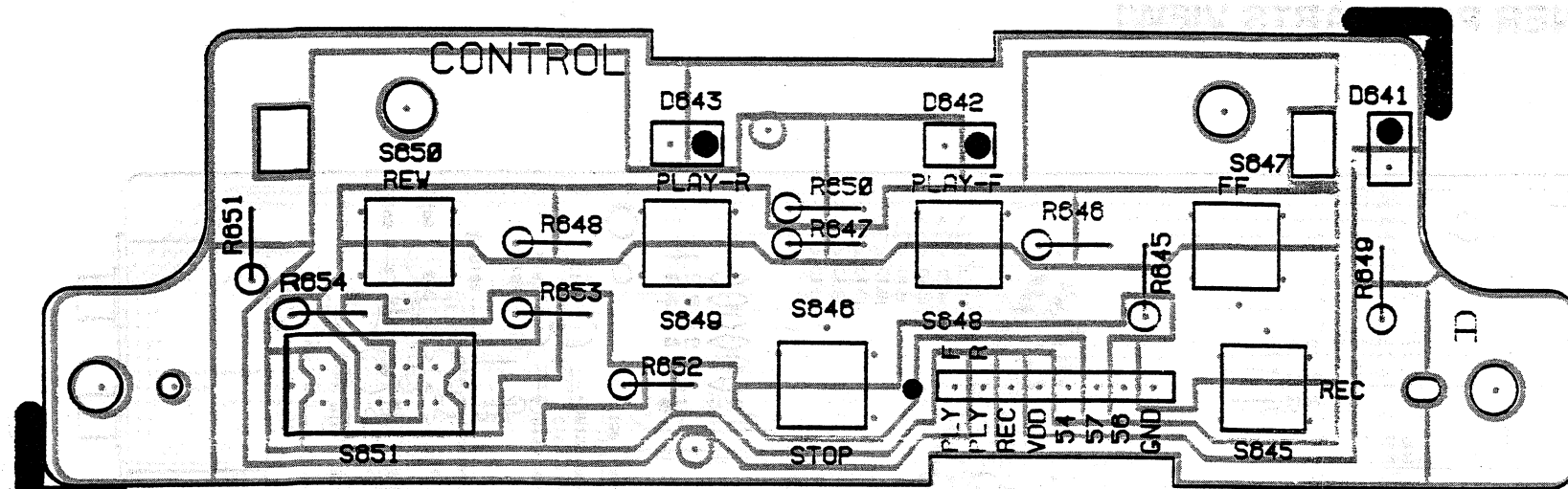
AMP MAIN PCB [PARTS VIEW]



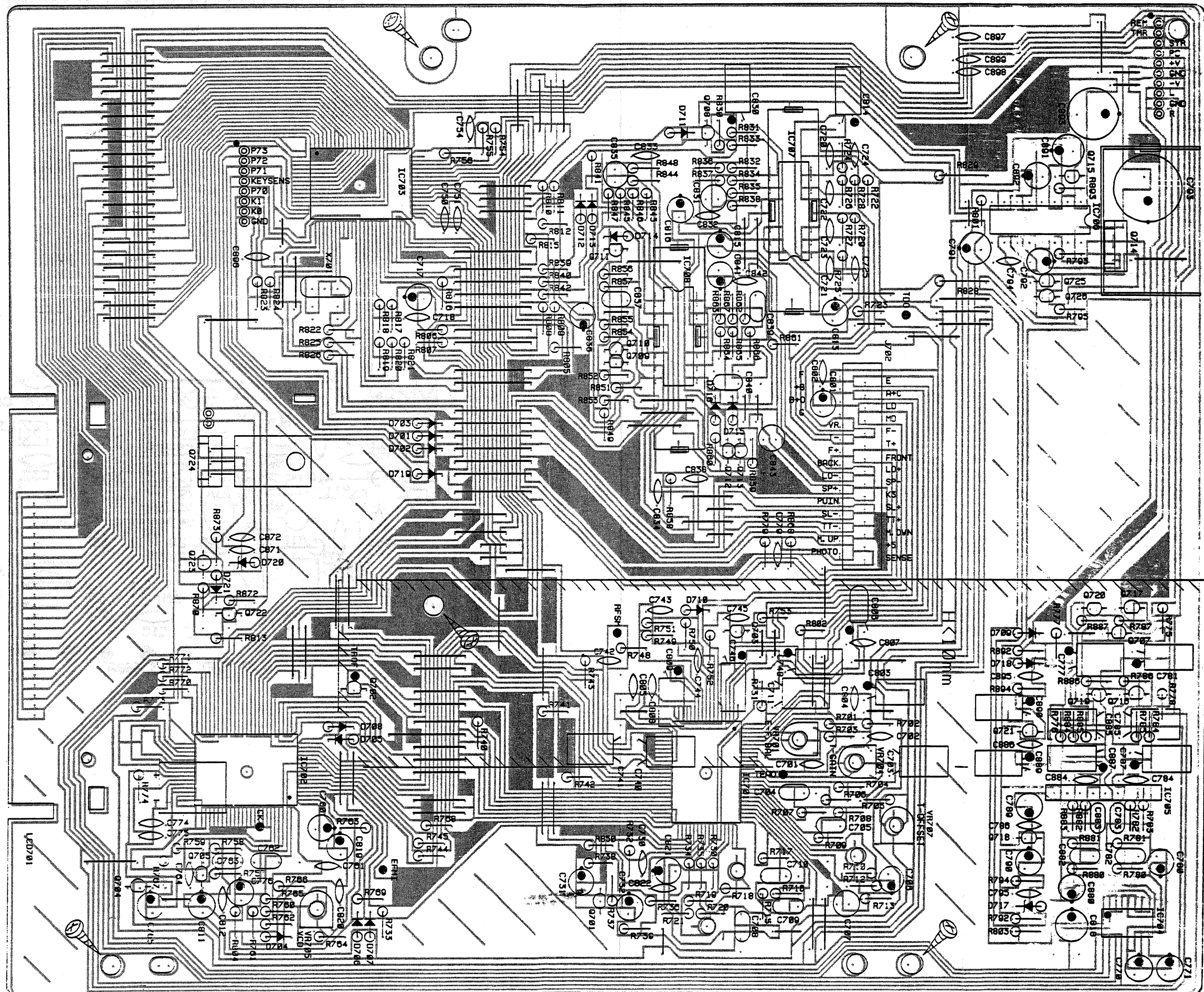
TUNER PCB [PARTS VIEW]



VRPCB [PARTS VIEW]

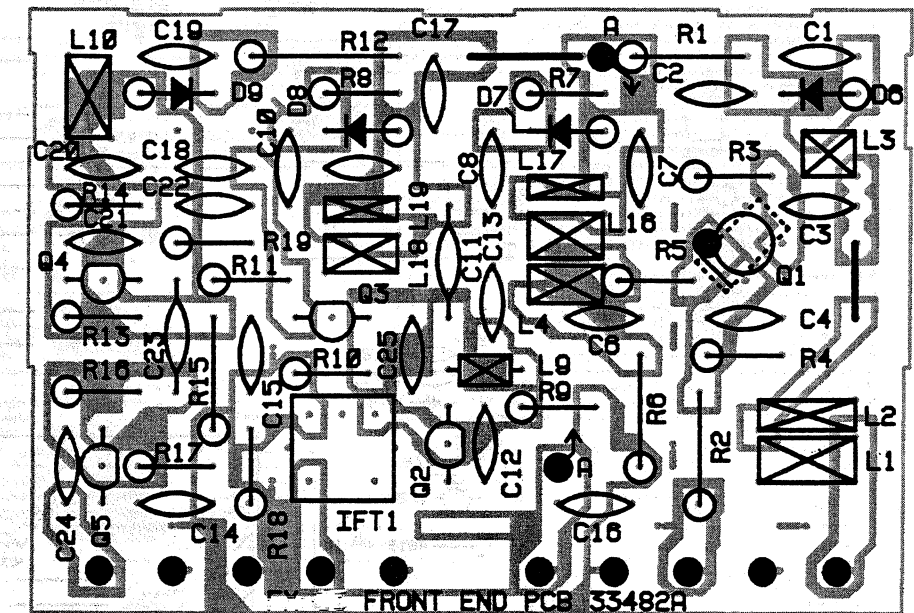


CD [PARTS VIEW]

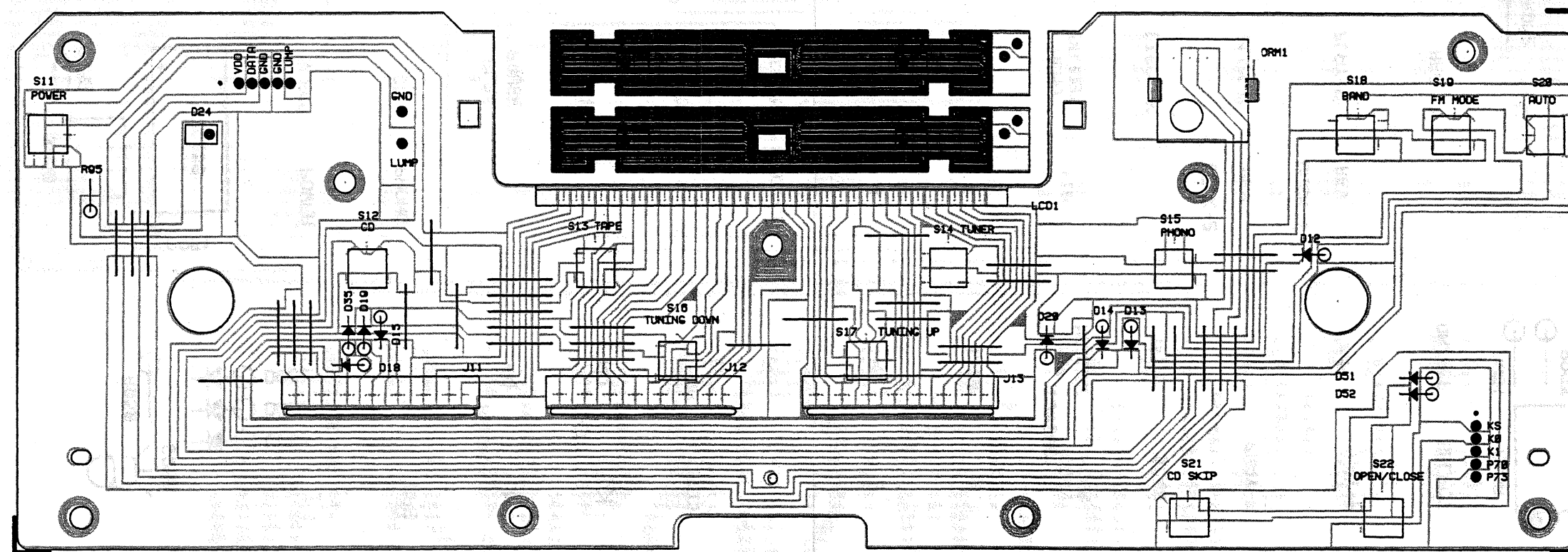


CD (PARTS VIEW)

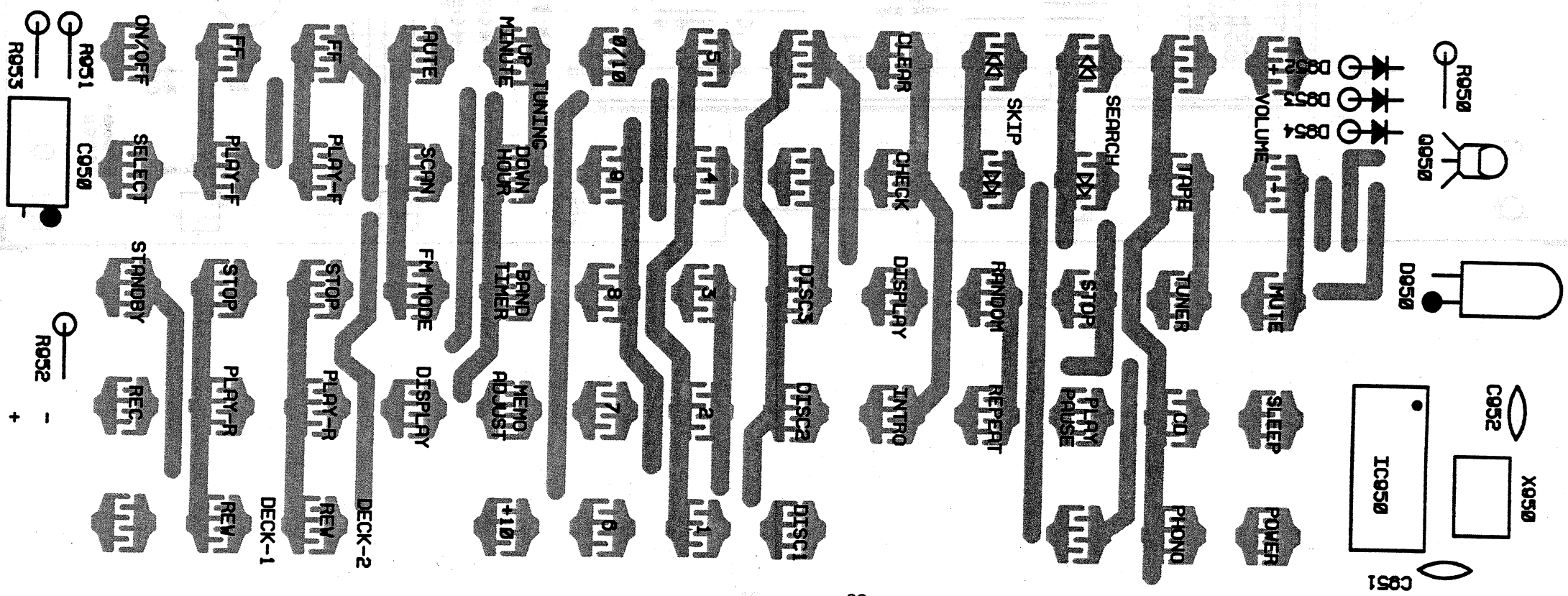
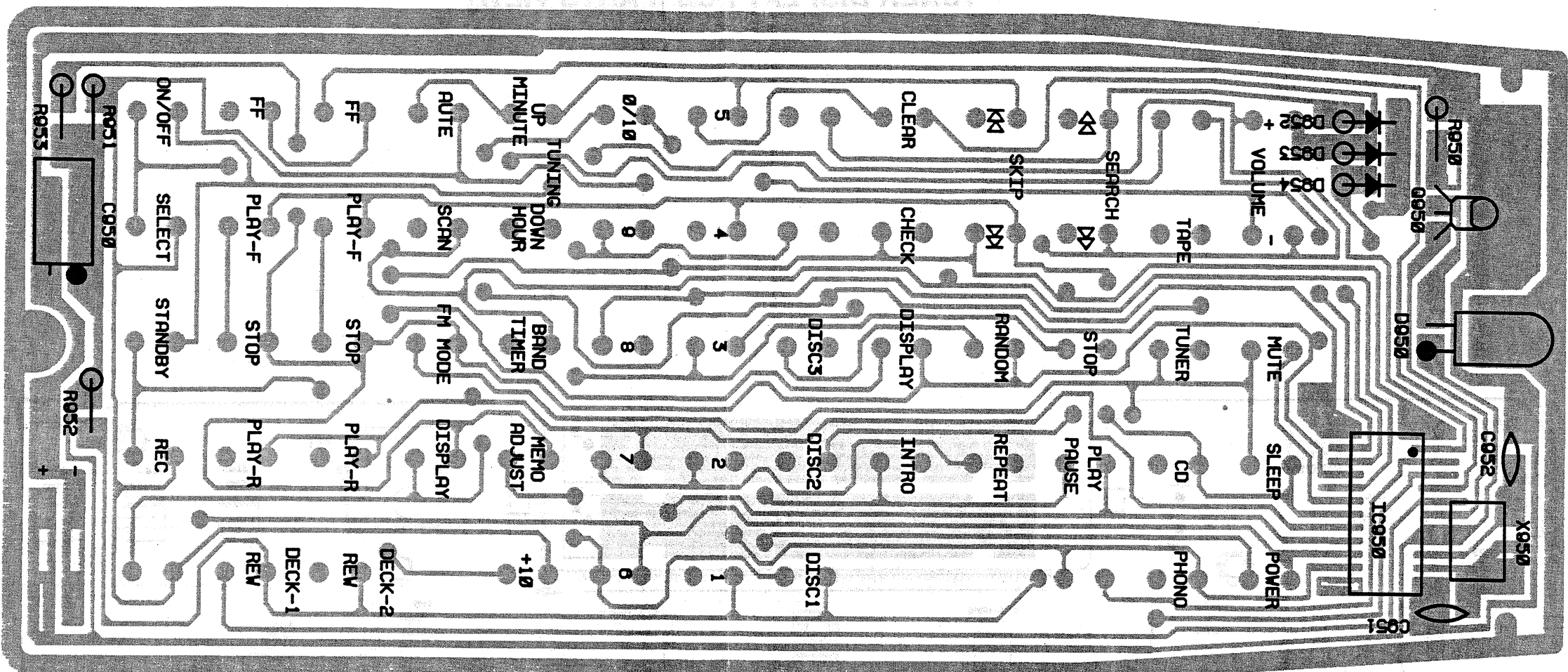
FRONT END PCB [PARTS VIEW]



TUNER DISPLAY PCB [PARTS VIEW]



REMOCON PCB [PARTS VIEW]



6. PARTS LIST OF BOARD

TUNER SECTION

Parts No.	Description
ASS'Y VOLUME PCB	
PB11	VR PCB 33468
S653	TACT SWITCH 31TM211A
VR406	MOTOR VOLUME RK16312MC
LW401	LEAD CONNECTOR CL-002 03-20S
LW402	LEAD CONNECTOR CL-002 03-30S
LW403	FLAT CABLE UL2651 #26X8 P2
LW404	FLAT CABLE UL2651 #26X6 P2
LW405	FLAT CABLE UL2651 #26X5 P2
LW406	LEAD WIRE UL 1571 #28
LW407	LEAD WIRE UL1571 #28
LW408	LEAD WIRE UL1571 #28
LW409	LEAD WIRE UL1571 #28
IC411	IC BA6208
• TRANSISTOR	
Q635	2SC3330U
Q636	2SC3330U
Q637	2SC3330U
Q638	2SC3330U
Q639	2SC3330U
• DIODE	
D460	IN4148
D461	IN4148
D462	IN4148
D463	IN4148
D464	IN4148
D465	IN4148
D466	IN4148
D467	IN4148
D468	IN4148
• LED	
D560	SLC-22VR5F
D561	SLC-22VR5F
D562	SLC-22VR5F
D563	SLC-22VR5F
D564	SLC-22VR5F
D565	SLC-22VR5F
D567	SLC-22VR5F
D568	SLC-22VR5F
• CARBON	
R460	56K Ω 1/8W AXIAL LEAD
R461	56K Ω 1/8W AXIAL LEAD
R462	56K Ω 1/8W AXIAL LEAD
R463	56K Ω 1/8W AXIAL LEAD
R464	56K Ω 1/8W AXIAL LEAD
R560	1.8K Ω 1/8W AXIAL LEAD
R565	1.8K Ω 1/8W AXIAL LEAD
R586	100 Ω 1/2W-J R50X FC16
R587	1.8K Ω 1/8W AXIAL LEAD
R635	100K Ω 1/8W AXIAL LEAD
R636	100K Ω 1/8W AXIAL LEAD

Parts No.	Description
R637	100K Ω 1/8W AXIAL LEAD
R638	100K Ω 1/8W AXIAL LEAD
R639	100K Ω 1/8W AXIAL LEAD
• CERAMIC	
C588	F0.022 μ F 50V-Z DISC TYPE
C590	F0.022 μ F 50V-Z DISC TYPE
• ELECTRIC CAPACITOR	
C460	10 μ F 16V-M VR ϕ 5X11
C461	10 μ F 16V-M VR ϕ 5X11
C462	10 μ F 16V-M VR ϕ 5X11
C463	10 μ F 16V-M VR ϕ 5X11
C464	10 μ F 16V-M VR ϕ 5X11
C589	220 μ F 10V-M ϕ 6.3x11
ASS'Y AC PCB	
PB12	AC PCB 33469
F601	FUSE T2.0A 250V
FH	FUSE HOLDER
	FUSE LABEL
• CARBON	
R624	2.2M Ω 1/2W-J
ASS'Y CONTROL PCB A	
PB13	CONTROL PCB 33485-1
LW640	FLAT CABLE UL2651#26X8 P2
S651	SLIDE SWITCH SS23D01 G6
• TACT SWITCH	
S645	$\square$ 6MM HORIZONTAL H=5MM
S646	$\square$ 6MM HORIZONTAL H=5MM
S647	$\square$ 6MM HORIZONTAL H=5MM
S648	$\square$ 6MM HORIZONTAL H=5MM
S649	$\square$ 6MM HORIZONTAL H=5MM
S650	$\square$ 6MM HORIZONTAL H=5MM
• LED	
D641	SLC-22VR5F
D642	SLC-22MG5F
D643	SLC-22MG5F
• CARBON	
R645	1.5K Ω 1/8W-J AXIAL LEAD
R646	1.8K Ω 1/8W-J AXIAL LEAD
R647	3.3K Ω 1/8W-J AXIAL LEAD
R648	8.2K Ω 1/8W-J AXIAL LEAD
R649	470 Ω 1/8W-J AXIAL LEAD
R650	470 Ω 1/8W-J AXIAL LEAD
R651	470 Ω 1/8W-J AXIAL LEAD
R652	1.5K Ω 1/8W-J AXIAL LEAD
R653	1.8K Ω 1/8W-J AXIAL LEAD
R654	3.3K Ω 1/8W-J AXIAL LEAD

Parts No.	Description
ASS'Y CONTROL PCB B	
PB14	CONTROL PCB 33485-2
LW641	FLAT CABLE UL2651#226X5 P2
• TACT SWITCH	
S640	6MM HORIZONTAL H=5
S641	6MM HORIZONTAL H=5
S642	6MM HORIZONTAL H=5
S643	6MM HORIZONTAL H=5
• LED	
D640	SLC-22MG5F
• CARBON	
R641	1.8K Ω 1/8W-J AXIAL LEAD
R642	3.3K Ω 1/8W-J AXIAL LEAD
R643	1.5K Ω 1/8W-J AXIAL LEAD
R644	470 Ω 1/8W-J AXIAL LEAD
ASS'Y FRONT END PCB	
PB2	FRONT END PCB 33482A
P	LUG PIN ZE-007
LW9	LEAD WIRE UL1007#24 OS-1
IFT1	FM IFT A119AC-K6155X-KR
L1	SPRING COIL LS-0010
L2	SPRING COIL LS-0011
L3	SPRING COIL LS-0012
L4	SPRING COIL LS-0013
L10	SPRING COIL LS-0017
L16	SPRING COIL LS-0014
L17	SPRING COIL LS-0013
L18	SPRING COIL LS-0016
L19	SPRING COIL LS-0013
• TRANSISTOR	
Q2	2SC2668
Q4	2SC2995
Q5	2SC2668
• FET	
Q1	3SK85
Q3	2SK241GR
• VARICAP DIODE	
D6	1SV-153
D7	1SV-153
D8	1SV-153
D9	1SV-153
• MICRO INDUCTOR	
L9	2.2 μ H
• CARBON	
R1	10K Ω 1/8W-J AXIAL LEAD
R2	100K Ω 1/8W-J AXIAL LEAD
R3	100K Ω 1/8W-J AXIAL LEAD

Parts No.	Description
R4	1M Ω 1/8W-J AXIAL LEAD
R5	47 Ω 1/8W-J AXIAL LEAD
R6	10 Ω 1/8W-J AXIAL LEAD
R7	10K Ω 1/8W-J AXIAL LEAD
R8	10K Ω 1/8W-J AXIAL LEAD
R9	1M Ω 1/8W-J AXIAL LEAD
R10	100 Ω 1/8W-J AXIAL LEAD
R11	100K Ω 1/8W-J AXIAL LEAD
R12	10K Ω 1/8W-J AXIAL LEAD
R13	10K Ω 1/8W-J AXIAL LEAD
R14	10K Ω 1/8W-J AXIAL LEAD
R15	47 Ω 1/8W-J AXIAL LEAD
R16	100K Ω 1/8W-J AXIAL LEAD
R17	47 Ω 1/8W-J AXIAL LEAD
R18	10 Ω 1/8W-J AXIAL LEAD
• CERAMIC	
C1	CH4.7pF 50V-D AXIAL LEAD
C2	B0.001 μ F 50V-K DISC TYPE
C3	SL-100pF 50V-J DISC TYPE
C4	B0.001 μ F 50V-K DISC TYPE
C6	B0.01 μ F 50V-K DISC TYPE
C7	CH3.3pF 50V-D AXIAL LEAD
C8	SL120pF 50V-J DISC TYPE
C10	B0.001 μ F 50V-K DISC TYPE
C11	CH6.8 pF 50V-D AXIAL LEAD
C12	CH12pF 50V-J AXIAL LEAD
C13	SL-100pF 50V-J DISC TYPE
C14	B0.01 μ F 50V-K DISC TYPE
C15	B0.01 μ F 50V-K DISC TYPE
C16	B0.01 μ F 50V-K DISC TYPE
C17	B0.01 μ F 50V-K DISC TYPE
C19	SL-100pF 50V-J DISC TYPE
C20	SL8.2pF 50V-D AXIAL LEAD
C21	CH15pF 50V-J AXIAL LEAD
C22	CH12pF 50V-J AXIAL LEAD
C23	SL3.3pF 50V-D AXIAL LEAD
C24	B0.001 μ F 50V-K DISC TYPE
C25	SL18pF 50V-J AXIAL LEAD
ASS'Y TUNER DISPLAY PCB	
PB3	TUNER DISPLAY PCB 33471
J11	CONNECTOR 52084-1510
J12	CONNECTOR 52084-1510
J13	CONNECTOR 52084-1510
LW2	FLAT CABLE UL2651#26X5 P2
LW6	LEAD WIRE UL1007#24 OS-1
LW7	LEAD WIRE UL1007#24 OS-1
LCD1	LCD HLC8339-012219
ORM1	OPTIC RECEIVER MODULE SBX1610-52
PL1	MINITURE LAMP BQ041-35022A
PL2	MINITURE LAMP BQ041-35022A
• LED	
D24	SLC-22VR5F

Parts No.	Description
• TACT SWITCH	
S11	6MM HORIZONTAL H=5MM
S12	6MM HORIZONTAL H=5MM
S13	6MM HORIZONTAL H=5MM
S14	6MM HORIZONTAL H=5MM
S15	6MM HORIZONTAL H=5MM
S16	6MM HORIZONTAL H=5MM
S17	6MM HORIZONTAL H=5MM
S18	6MM HORIZONTAL H=5MM
S19	6MM HORIZONTAL H=5MM
S20	6MM HORIZONTAL H=5MM
S21	6MM HORIZONTAL H=5MM
S22	6MM HORIZONTAL H=5MM
• DIODE	
D12	1N4148
D13	1N4148
D14	1N4148
D15	1N4148
D18	1N4148
D19	1N4148
D20	1N4148
D35	1N4148
D51	1N4148
D52	1N4148
• CARBON	
R95	470Ω 1/8W-J AXIAL LEAD
M701	CD MECHANISM CDKC3D
LW701	FFC AWM2896
ASS'Y CD MAIN PCB	
PB4	CD MAIN PCB 33472A
J702	CONNECTOR 5597-30APB
LW705	FLAT CABLE UL2651#26X10 P2
LCD701	LCD HLC8345-012418
VR701	TRIMMER POTENTIOMETER FRB-065-5K
VR704	TRIMMER POTENTIOMETER FRB065-2K
VR705	TRIMMER POTENTIOMETER FRB-065-100K
VR707	TRIMMER POTENTIOMETER FRB-065-100K
X701	CERAMIC RESONATOR DCRHT 4.19
X702	CRYSTAL HC-49/U
PL701	MINITURE LAMP BQ041-35022A
PL702	MINITURE LAMP BQ041-35022A
LW703	LEAD WIRE UL1007#24 OS-1
LW704	LEAD WIRE UL1007#24 OS-1
IC701	IC LA9210M
IC702	IC YM7121C
IC703	IC μPD75312GF-199-3B9
IC704	IC μPD6376GS
IC705	IC BA4558N
IC706	IC M5290P

Parts No.	Description
IC707	IC LA6520
IC708	IC LA6520
• TRANSISTOR	
Q701	DTC124ES
Q702	DTC124ES
Q703	2SA1317U
Q704	DTA124ES
Q705	DTC124ES
Q707	2SA1317U
Q708	DTC124ES
Q709	DTC124ES
Q710	DTC124ES
Q711	DTC124ES
Q712	DTC124ES
Q713	DTC124ES
Q714	2SB1375
Q715	2SD1207S
Q716	2SC3330U
Q717	2SC3330U
Q718	2SC3330U
Q719	2SC3330U
Q720	2SC3330U
Q721	2SA1317U
Q722	2SC3330U
Q723	2SA1317U
Q724	2SD2012
Q725	2SC3330U
Q726	DTC124ES
• DIODE	
D701	1N4148
D702	1N4148
D703	1N4148
D704	1N4148
D705	1N4148
D706	1N4148
D707	1N4148
D708	1N4148
D709	1N4148
D710	1N4148
D711	1N4148
D712	1N4148
D713	1N4148
D714	1N4148
D715	1N4148
D716	1N4148
D719	1N4148
D721	1N4148
• ZENER DIODE	
D717	RD7.5E
D718	RD7.5E
D720	RD18E

Parts No.	Description
• CARBON	
R701	3.3KΩ 1/8W-J
R702	10KΩ 1/8W-J
R703	2.2KΩ 1/8W-J
R704	560Ω 1/8W-J
R705	1.0MΩ 1/8W-J
R706	39KΩ 1/8W-J
R707	390KΩ 1/8W-J
R708	390KΩ 1/8W-J
R709	150KΩ 1/8W-J
R710	82KΩ 1/8W-J
R712	33KΩ 1/8W-J
R713	68KΩ 1/8W-J
R715	1.0KΩ 1/8W-J
R716	47KΩ 1/8W-J
R717	22KΩ 1/8W-J
R718	820Ω 1/8W-J
R719	100KΩ 1/8W-J
R720	12KΩ 1/8W-J
R721	82KΩ 1/8W-J
R722	33KΩ 1/8W-J
R723	27KΩ 1/8W-J
R724	47KΩ 1/8W-J
R725	33KΩ 1/8W-J
R726	47KΩ 1/8W-J
R727	33KΩ 1/8W-J
R728	10Ω 1/8W-J
R729	10Ω 1/8W-J
R730	820KΩ 1/8W-J
R731	82KΩ 1/8W-J
R732	10KΩ 1/8W-J
R733	22KΩ 1/8W-J
R734	820KΩ 1/8W-J
R735	470KΩ 1/8W-J
R736	120KΩ 1/8W-J
R737	680Ω 1/8W-J
R738	33KΩ 1/8W-J
R739	18KΩ 1/8W-J
R740	1.0KΩ 1/8W-J
R741	1.0KΩ 1/8W-J
R742	1.0KΩ 1/8W-J
R743	10KΩ 1/8W-J
R744	6.8KΩ 1/8W-J
R745	6.8KΩ 1/8W-J
R748	220Ω 1/8W-J
R749	33KΩ 1/8W-J
R750	15KΩ 1/8W-J
R751	10KΩ 1/8W-J
R752	1.0KΩ 1/8W-J
R753	10Ω 1/8W-J
R754	560Ω 1/8W-J
R755	560Ω 1/8W-J
R756	560Ω 1/8W-J
R757	4.7KΩ 1/8W-J

Parts No.	Description
R758	10KΩ 1/8W-J
R759	10KΩ 1/8W-J
R760	4.7KΩ 1/8W-J
R761	27KΩ 1/8W-J
R762	47KΩ 1/8W-J
R763	47KΩ 1/8W-J
R764	10KΩ 1/8W-J
R765	470KΩ 1/8W-J
R766	1.0KΩ 1/8W-J
R767	10KΩ 1/8W-J
R768	1.0KΩ 1/8W-J
R769	10KΩ 1/8W-J
R770	680Ω 1/8W-J
R771	680Ω 1/8W-J
R772	680Ω 1/8W-J
R773	680Ω 1/8W-J
R774	1.0MΩ 1/8W-J
R775	10KΩ 1/8W-J
R776	100KΩ 1/8W-J
R777	220Ω 1/8W-J
R778	10KΩ 1/8W-J
R779	33KΩ 1/8W-J
R780	8.2KΩ 1/8W-J
R781	47KΩ 1/8W-J
R782	12KΩ 1/8W-J
R783	100KΩ 1/8W-J
R784	1.8KΩ 1/8W-J
R785	680Ω 1/8W-J
R786	2.2KΩ 1/8W-J
R787	2.2KΩ 1/8W-J
R792	330Ω 1/8W-J
R793	4.7KΩ 1/8W-J
R794	56Ω 1/8W-J
R795	100KΩ 1/8W-J
R801	10KΩ 1/8W-J
R802	1.0KΩ 1/8W-J
R803	22Ω 1/8W-J
R804	220Ω 1/8W-J
R805	1.0KΩ 1/8W-J
R806	10KΩ 1/8W-J
R807	10KΩ 1/8W-J
R808	10KΩ 1/8W-J
R809	10KΩ 1/8W-J
R810	10KΩ 1/8W-J
R811	10KΩ 1/8W-J
R812	10KΩ 1/8W-J
R813	10KΩ 1/8W-J
R815	10KΩ 1/8W-J
R816	10KΩ 1/8W-J
R817	10KΩ 1/8W-J
R818	10KΩ 1/8W-J
R819	10KΩ 1/8W-J
R820	10KΩ 1/8W-J
R821	10KΩ 1/8W-J

Parts No.	Description		
R822	10K Ω 1/8W-J		
R823	10K Ω 1/8W-J		
R824	10K Ω 1/8W-J		
R825	10K Ω 1/8W-J		
R826	10K Ω 1/8W-J		
R830	1.0K Ω 1/8W-J		
R831	100K Ω 1/8W-J		
R832	10K Ω 1/8W-J		
R833	100K Ω 1/8W-J		
R834	10K Ω 1/8W-J		
R835	1.0K Ω 1/8W-J		
R836	2.2 Ω 1/8W-J		
R837	180 Ω 1/8W-J		
R838	2.2 Ω 1/8W-J		
R839	270K Ω 1/8W-J		
R840	22K Ω 1/8W-J		
R841	100K Ω 1/8W-J		
R842	180K Ω 1/8W-J		
R843	10K Ω 1/8W-J		
R844	180 Ω 1/8W-J		
R845	1.0K Ω 1/8W-J		
R846	10K Ω 1/8W-J		
R847	10 Ω 1/8W-J		
R848	2.2 Ω 1/8W-J		
R849	12K Ω 1/8W-J		
R850	22K Ω 1/8W-J		
R851	100K Ω 1/8W-J		
R852	2.7K Ω 1/8W-J		
R853	10K Ω 1/8W-J		
R854	4.7K Ω 1/8W-J		
R855	100K Ω 1/8W-J		
R856	22K Ω 1/8W-J		
R857	180K Ω 1/8W-J		
R858	10 Ω 1/8W-J		
R859	3.3M Ω 1/8W-J		
R860	2.2M Ω 1/8W-J		
R861	330K Ω 1/8W-J		
R862	100K Ω 1/8W-J		
R863	1.0K Ω 1/8W-J		
R864	68K Ω 1/8W-J		
R865	15K Ω 1/8W-J		
R866	1 Ω 1/8W-J		
R867	10 Ω 1/8W-J		
R868	180 Ω 1/8W-J		
R870	10K Ω 1/8W-J		
R872	10K Ω 1/8W-J		
R873	1.2K Ω 1/8W-J		
R880	8.2K Ω 1/8W-J		
R881	47K Ω 1/8W-J		
R882	12K Ω 1/8W-J		
R883	100K Ω 1/8W-J		
R884	1.8K Ω 1/8W-J		
R885	680 Ω 1/8W-J		
R886	2.2K Ω 1/8W-J		

Parts No.	Description		
R887	2.2K Ω 1/8W-J		
R892	330 Ω 1/8W-J		
R893	4.7K Ω 1/8W-J		
R894	56 Ω 1/8W-J		
• FUSABLE RESISTOR			
R828	1.0 Ω 1/2W-J RNF50SX		
R829	1.0 Ω 1/2W-J RNF50SX		
• CERAMIC			
C701	B0.01 μ F 50V-K		
C702	B0.001 μ F 50V-K		
C718	F0.1 μ F 50V-Z		
C720	SL470pF 50V-J		
C721	SL220pF 50V-J		
C722	SL470pF 50V-J		
C723	SL220pF 50V-J		
C723	F0.1 μ F 50V-Z		
C725	F0.1 μ F 50V-Z		
C730	B0.01 μ F 50V-K		
C742	B0.01 μ F 50V-K		
C743	SL6pF 50V-D		
C744	SL1pF 50V-C		
C745	B0.001 μ F 50V-K		
C750	SL100pF 50V-J		
C751	SL100pF 50V-J		
C754	B0.01 μ F 50V-K		
C761	SL560pF 50V-J		
C764	F0.1 μ F 50V-Z		
C774	CH20pF 50V-J		
C775	CH20pF 50V-J		
C779	B0.001 μ F 50V-K		
C784	SL33pF 50V-J		
C786	F0.1 μ F 50V-Z		
C794	B0.0022 μ F 50V-K		
C795	F0.022 μ F 50V-Z		
C802	B0.01 μ F 50V-K		
C804	B0.01 μ F 50V-K		
C805	B0.01 μ F 50V-K		
C807	B0.01 μ F 50V-K		
C808	SL330pF 50V-J		
C812	F0.1 μ F 50V-Z		
C820	F0.1 μ F 50V-Z		
C822	B0.01 μ F 50V-K		
C823	SL30pF 50V-J		
C824	SL30pF 50V-J		
C832	F0.047 μ F 50V-Z		
C833	F0.1 μ F 50V-Z		
C834	B0.001 μ F 50V-K		
C838	F0.1 μ F 50V-Z		
C842	F0.1 μ F 50V-Z		
C871	F0.022 μ F 50V-Z		
C872	F0.022 μ F 50V-Z		
C884	SL33pF 50V-J		

Parts No.	Description
C886	F0.1μF 50V-Z
C895	F0.022μF 50V-Z
C896	B0.001μF 50V-K
C897	B0.001μF 50V-K
C898	B0.001μF 50V-K
C899	B0.001μF 50V-K
• POLYESTER	
C703	0.018μF 50V-J
C704	0.1μF 50V-J
C705	0.033μF 50V-J
C708	0.082μF 50V-J
C709	0.033μF 50V-J
C710	0.1μF 50V-J
C711	0.012μF 50V-J
C740	0.0027μF 50V-J
C741	0.1μF 50V-J
C762	0.22μF 50V-J
C763	0.0047μF 50V-J
C782	0.0012μF 50V-J
C783	0.001μF 50V-J
C785	0.022μF 50V-J
C837	0.01μF 50V-J
C839	0.0022μF 50V-J
C840	0.0022μF 50V-J
C882	0.012μF 50V-J
C883	0.001μF 50V-J
C885	0.022μF 50V-J
• ELECTRIC CAPACITOR	
C706	22μF 10V-M
C717	47μF 10V-M
C731	1μF 50V-M
C732	47μF 10V-M
C746	47μF 10V-M
C748	47μF 10V-M
C760	4.7μF 35V-M
C765	1μF 50V-M
C770	33μF 10V-M
C771	33μF 10V-M
C776	4.7μF 35V-M
C777	330μF 10V-M
C780	1μF 50V-M
C781	100μF 10V-M
C787	1μF 50V-M
C789	100μF 10V-M
C790	100μF 16V-M
C791	220μF 10V-M
C792	1μF 50V-M
C793	2200μF 16V-M
C801	1μF 50V-M
C803	47μF 10V-M
C809	0.47μF 50V-M
C811	47μF 10V-M

Parts No.	Description
C813	47μF 16V-M
C814	47μF 16V-M
C815	47μF 16V-M
C816	47μF 16V-M
C818	220μF 10V-M
C819	100μF 10V-M
C821	47μF 10V-M
C830	1μF 50V-M
C836	10μF 16V-M
C841	1μF 50V-M
C880	1μF 50V-M
C887	1μF 50V-M
C889	100μF 10V-M
C890	100μF 16V-M
C891	220μF 10V-M
C892	1μF 50V-M
C893	1000μF 16V-M
• BP ELECTRIC	
C707	3.3μF 50V-M
C831	1μF 50V-M
C835	1μF 50V-M
C843	1μF 50V-M
• TANTALUM	
C806	33μF 6V-M
ASS'Y CD CONTROL PCB	
PB5	CD CONTROL PCB 33473
LW702	FLAT CABLE UL2651#26X5
LW706	FLAT CABLE UL2651#26X5
• TACT SWITCH	
S881	6MM HORIZONTAL H=5mm
S882	6MM HORIZONTAL H=5mm
S883	6MM HORIZONTAL H=5mm
S884	6MM HORIZONTAL H=5mm
S885	6MM HORIZONTAL H=5mm
S886	6MM HORIZONTAL H=5mm
S887	6MM HORIZONTAL H=5mm
• DIODE	
D881	IN4148
D882	IN4148
D883	IN4148
D884	IN4148
D885	IN4148
D886	IN4148
D887	IN4148
D888	IN4148
D889	IN4148
D890	IN4148
D891	IN4148
D892	IN4148

Parts No.	Description
M1	CASSETTE MECHANISM CWA415FR
T1	POWER TRANS 850001
LW601	AC CORD
LW602	LEAD WIRE UL1672 #22
LW603	LEAD WIRE UL1672#22
LW201	LEAD CONNECTOR CL001 05-45S
LW202	LEAD CONNECTOR CL002 03-30S
LW203	LEAD CONNECTOR CL003 02-40S
S601	SLIDE SWITCH SDKGA4
ASS'Y AMP MAIN PCB	
PB10	AMP MAIN PCB 33467B
J401	SP TERMINAL HSP108V
J402	US JACK HTJ-035-09E
J403	HEADPHONE JACK HTJ-035-08D
J404	SYSTEM CONNECTOR CFG1115-0101
J405	CONNECTOR B2B-EH
J406	CONNECTOR B3B-EH
J407	CONNECTOR B3B-EH
J408	CONNECTOR B3B-EH
J409	CONNECTOR B5B-EH
J410	CONNECTOR 52328-1310
J411	CONNECTOR 52004-1110
J413	CONNECTOR 52007-0310
J414	CONNECTOR 52007-0510
J415	CONNECTOR 52007-0510
J417	CONNECTOR 52007-0610
J418	CONNECTOR 52007-0810
LW605	LEAD WIRE UL1007#24
LW650	LEAD WIRE UL1007#24
LW651	LEAD WIRE UL1007#24
LW652	LEAD WIRE UL1007#24
LW653	LEAD WIRE UL1007#24
S401	PUSH SWITCH PS-22E03NL
S402	PUSH SWITCH PS-22E03NL
S403	PUSH SWITCH PS-22E03NL
S404	PUSH SWITCH PS-22303NL
S405	PUSH SWITCH PS-22E03NL
S406	SLIDE SWITCH SK-43D01-M16
S407	SLIDE SWITCH SK-22F18-G5
VR401	ROTARY VOLUME 142RVB01-20F-100K
VR402	ROTARY VOLUME 142RVB01-20F-100K
VR403	ROTARY VOLUME 142RVB01-C1-20F-100K
VR404	ROTARY VOLUME 142RVB01-C1-20F-100K
VR405	ROTARY VOLUME 142RVB01-C1-20F-100K
VR201	TRIMMER POTENTIOMETER FRB-065-5K
VR202	TRIMMER POTENTIOMETER FRB-065-5K
VR203	TRIMMER POTENTIOMETER FRB-065-100K
VR204	TRIMMER POTENTIOMETER FRB-065-10K
VR301	TRIMMER POTENTIOMETER FRB-065-5K
VR302	TRIMMER POTENTIOMETER FRB-065-5K
VR303	TRIMMER POTENTIOMETER FRB-065-100K
VR304	TRIMMER POTENTIOMETER FRB-065-10K
VR640	TRIMMER POTENTIOMETER FRB-065-5K

Parts No.	Description
VR641	TRIMMER POTENTIOMETER FRB-065-2K
RY401	RELAY DH12D2-O(M)
RY402	RELYA DH24D2-OS(M)
F401	FUSE T3.15A 250V
F402	FUSE T3.15A 250V
F403	FUSE T1.25A 250V
F404	FUSE T1.25A 250V
F405	FUSE T1.25A 250V
FH	FUSE HOLDER
L201	BIAS TRAP COIL
L301	BIAS TRAP COIL
L601	BIAS OSC COIL
X601	CERAMIC RESONATER DCRHTL4.19
P	LUG PIN ZE-006
P	GLASS TUEB ø2.0UL L20MM
P	WRAPPING PIN ZE-002
P	UL TUBE AWG2 EIT30 30MM
IC201	IC LA3161
IC202	IC LA3161
IC203	IC BA3126N
IC204	IC BU4066B
IC205	IC BA1104LS
IC206	IC TA8135P
IC207	IC BA4558N
IC208	IC BU4066B
IC209	IC BU4066B
IC401	IC CXA1642P
IC402	IC BA4558N
IC403	IC BABA4558N
IC404	IC MN3207
IC405	IC MN3102
IC406	IC M5226P
IC407	IC M5226P
IC408	ICBA4558N
IC409	IC STK4142 2
IC410	IC µPC1237HA
IC640	IC CXP5046H-289Q
IC641	IC PST529D
• TRANSISTOR	
Q201	2SC3330U
Q202	2SC3330U
Q252	2SC3330U
Q254	2SC3330U
Q255	2SC3330U
Q260	2SC3330U
Q261	2SC3330U
Q262	2SA1317U
Q263	2SA1317U
Q264	2SC3330U
Q265	2SC3330U
Q266	2SC3330U
Q267	2SC3330U
Q301	2SC3330U

Parts No.	Description	Parts No.
Q302	2SC3330U	
Q352	2SC3330U	
Q354	2SC3330U	
Q355	2SC3330U	
Q360	2SC3330U	
Q361	2SC3330U	
Q362	2SA1317U	
Q363	2SA1317U	
Q364	2SC3330U	
Q365	2SC3330U	
Q366	2SC3330U	
Q367	2SC3330U	
Q368	2SC3330U	
Q401	2SC3330U	
Q402	2SC3330U	
Q403	2SC3330U	
Q404	2SC3330U	
Q405	2SC3330U	
Q406	2SC3330U	
Q407	2SC3330U	
Q408	2SC3330U	
Q409	2SC3330U	
Q410	2SC3330U	
Q465	2SC3330U	
Q466	2SC3330U	
Q467	2SA1317U	
Q468	2SC3332	
Q469	2SD2012	
Q470	2SD2012	
Q501	2SC3330U	
Q502	2SC3330U	
Q503	2SC3330U	
Q504	2SC3330U	
Q505	2SC3330U	
Q506	2SC3330U	
Q507	2SC3330U	
Q508	2SC3330U	
Q509	2SC3330U	
Q510	2SC3330U	
Q601	2SC3330U	
Q602	2SC3330U	
Q603	2SD1207S	
Q604	2SC3330U	
Q605	2SC3330U	
Q612	DTC124ES	
Q613	DTC124ES	
Q620	2SD1207S	
Q621	2SC3330U	
Q622	2SA1317U	
Q640	2SC3330U	
Q641	2SC3330U	
Q642	2SC3330U	
Q643	2SC3330U	
Q644	2SC3330U	

Parts No.	Description	Parts No.
Q645	2SC3330U	
Q646	2SC3330U	
Q648	2SB698F	
Q649	2SA1317U	
Q650	2SB698F	
Q651	2SB698F	
Q652	2SA1317U	
• DIODE		
D280	IN4148	
D261	IN4148	
D281	IN4148	
D282	IN4148	
D570	IN4148	
D572	IN4148	
D573	IN4148	
D574	IN4148	
D621	IN4148	
D578	IN5402	
D579	IN5402	
D580	IN5402	
D581	IN5402	
D571	IN4002	
D582	IN4002	
D583	IN4002	
D584	IN4002	
D585	IN4002	
• ZENER DIODE		
D594	RD13E	
D597	RD10E	
D620	RD6.2E	
• MICRO INDUCTOR		
L574	4.7μF	
• METAL OXIDE		
R452	0.22Ω 2W-J	
R456	820Ω 2W-J	
R457	220Ω 2W-J	
R458	100Ω 2W-J	
R552	0.22Ω 2W-J	
R556	820Ω 2W-J	
R557	220Ω 2W-J	
R558	100Ω 2W-J	
R575	560Ω 2W-J	
R584	100Ω 2W-J	
R625	100Ω 2W-J	
• CARBON		
R201	100KΩ 1/8W-J	
R202	56Ω 1/8W-J	
R203	100KΩ 1/8W-J	
R204	4.7KΩ 1/8W-J	
R205	6.8KΩ 1/8W-J	

Parts No.	Description	Quantity
R206	5.6KΩ 1/8W-J	1000
R208	10KΩ 1/8W-J	5000
R209	5.6KΩ 1/8W-J	5000
R210	220Ω 1/8W-J	5000
R211	100KΩ 1/8W-J	5000
R212	56Ω 1/8W-J	1000
R213	100KΩ 1/8W-J	1000
R214	4.7KΩ 1/8W-J	5000
R215	6.8KΩ 1/8W-J	5000
R216	5.1KΩ 1/8W-J	5000
R218	10KΩ 1/8W-J	5000
R219	5.6KΩ 1/8W-J	5000
R220	220Ω 1/8W-J	5000
R225	3.3KΩ 1/8W-J	5000
R226	5.6KΩ 1/8W-J	5000
R228	220Ω 1/8W-J	5000
R229	22KΩ 1/8W-J	5000
R230	47KΩ 1/8W-J	5000
R231	10KΩ 1/8W-J	5000
R232	9.1KΩ 1/8W-J	5000
R233	10KΩ 1/8W-J	5000
R234	10KΩ 1/8W-J	5000
R235	47KΩ 1/8W-J	5000
R236	3.3KΩ 1/8W-J	5000
R237	820KΩ 1/8W-J	5000
R238	430KΩ 1/8W-J	5000
R239	220Ω 1/8W-J	5000
R240	3.3KΩ 1/8W-J	5000
R242	22KΩ 1/8W-J	5000
R243	100KΩ 1/8W-J	5000
R244	5.6KΩ 1/8W-J	5000
R245	100KΩ 1/8W-J	5000
R246	82KΩ 1/8W-J	5000
R247	3.3KΩ 1/8W-J	5000
R248	1KΩ 1/8W-J	5000
R249	22KΩ 1/8W-J	5000
R250	3.3KΩ 1/8W-J	5000
R251	1KΩ 1/8W-J	5000
R254	100KΩ 1/8W-J	5000
R256	1KΩ 1/8W-J	5000
R257	100KΩ 1/8W-J	5000
R258	10KΩ 1/8W-J	5000
R259	10KΩ 1/8W-J	5000
R260	1KΩ 1/8W-J	5000
R262	18KΩ 1/8W-J	5000
R263	5.6KΩ 1/8W-J	5000
R264	15KΩ 1/8W-J	5000
R265	10KΩ 1/8W-J	5000
R266	5.6KΩ 1/8W-J	5000
R267	22KΩ 1/8W-J	5000
R268	33KΩ 1/8W-J	5000
R269	15KΩ 1/8W-J	5000
R270	8.2KΩ 1/8W-J	5000
R271	5.6KΩ 1/8W-J	5000

Parts No.	Description	Quantity
R273	330KΩ 1/8W-J	5000
R274	150KΩ 1/8W-J	5000
R275	33KΩ 1/8W-J	5000
R276	120KΩ 1/8W-J	5000
R277	120KΩ 1/8W-J	5000
R278	100KΩ 1/8W-J	5000
R279	330KΩ 1/8W-J	5000
R280	56KΩ 1/8W-J	5000
R281	100KΩ 1/8W-J	5000
R282	56KΩ 1/8W-J	5000
R283	100KΩ 1/8W-J	5000
R284	10KΩ 1/8W-J	5000
R285	15KΩ 1/8W-J	5000
R286	47KΩ 1/8W-J	5000
R287	1MΩ 1/8W-J	5000
R289	5.6KΩ 1/8W-J	5000
R290	10KΩ 1/8W-J	5000
R301	100KΩ 1/8W-J	5000
R302	56Ω 1/8W-J	5000
R304	4.7KΩ 1/8W-J	5000
R305	6.8KΩ 1/8W-J	5000
R306	5.6KΩ 1/8W-J	5000
R308	10KΩ 1/8W-J	5000
R309	5.6KΩ 1/8W-J	5000
R311	100KΩ 1/8W-J	5000
R312	56Ω 1/8W-J	5000
R313	100KΩ 1/8W-J	5000
R314	4.7KΩ 1/8W-J	5000
R315	6.8KΩ 1/8W-J	5000
R316	5.1KΩ 1/8W-J	5000
R318	10KΩ 1/8W-J	5000
R319	5.6KΩ 1/8W-J	5000
R329	22KΩ 1/8W-J	5000
R330	47KΩ 1/8W-J	5000
R331	10KΩ 1/8W-J	5000
R332	9.1KΩ 1/8W-J	5000
R333	10KΩ 1/8W-J	5000
R334	10KΩ 1/8W-J	5000
R335	47KΩ 1/8W-J	5000
R336	3.3KΩ 1/8W-J	5000
R337	820KΩ 1/8W-J	5000
R338	430KΩ 1/8W-J	5000
R339	220Ω 1/8W-J	5000
R340	5.6KΩ 1/8W-J	5000
R342	22KΩ 1/8W-J	5000
R343	100KΩ 1/8W-J	5000
R344	5.6KΩ 1/8W-J	5000
R345	100KΩ 1/8W-J	5000
R346	82KΩ 1/8W-J	5000
R347	3.3KΩ 1/8W-J	5000
R348	1KΩ 1/8W-J	5000
R349	10KΩ 1/8W-J	5000
R350	5.6KΩ 1/8W-J	5000
R351	1KΩ 1/8W-J	5000

Parts No.	Description	Quantity	Unit Price
R354	100KΩ 1/8W-J	1000	0.001
R356	1KΩ 1/8W-J	1000	0.001
R357	100KΩ 1/8W-J	1000	0.001
R360	1KΩ 1/8W-J	1000	0.001
R362	18KΩ 1/8W-J	1000	0.001
R363	5.6KΩ 1/8W-J	1000	0.001
R364	15KΩ 1/8W-J	1000	0.001
R365	10KΩ 1/8W-J	1000	0.001
R366	5.6KΩ 1/8W-J	1000	0.001
R367	22KΩ 1/8W-J	1000	0.001
R368	33KΩ 1/8W-J	1000	0.001
R370	8.2KΩ 1/8W-J	1000	0.001
R371	5.6KΩ 1/8W-J	1000	0.001
R373	330KΩ 1/8W-J	1000	0.001
R374	150KΩ 1/8W-J	1000	0.001
R375	33KΩ 1/8W-J	1000	0.001
R376	120KΩ 1/8W-J	1000	0.001
R377	120KΩ 1/8W-J	1000	0.001
R379	330KΩ 1/8W-J	1000	0.001
R380	56KΩ 1/8W-J	1000	0.001
R381	100KΩ 1/8W-J	1000	0.001
R382	56KΩ 1/8W-J	1000	0.001
R383	100KΩ 1/8W-J	1000	0.001
R384	220Ω 1/8W-J	1000	0.001
R385	15KΩ 1/8W-J	1000	0.001
R386	47KΩ 1/8W-J	1000	0.001
R387	56KΩ 1/8W-J	1000	0.001
R389	8.2KΩ 1/8W-J	1000	0.001
R390	6.8KΩ 1/8W-J	1000	0.001
R401	22KΩ 1/8W-J	1000	0.001
R402	3.3KΩ 1/8W-J	1000	0.001
R403	680KΩ 1/8W-J	1000	0.001
R404	5.6KΩ 1/8W-J	1000	0.001
R405	100KΩ 1/8W-J	1000	0.001
R406	100KΩ 1/8W-J	1000	0.001
R407	18KΩ 1/8W-J	1000	0.001
R408	39KΩ 1/8W-J	1000	0.001
R409	82KΩ 1/8W-J	1000	0.001
R410	10KΩ 1/8W-J	1000	0.001
R411	5.6KΩ 1/8W-J	1000	0.001
R412	3.3KΩ 1/8W-J	1000	0.001
R413	220Ω 1/8W-J	1000	0.001
R414	47KΩ 1/8W-J	1000	0.001
R415	680KΩ 1/8W-J	1000	0.001
R416	10KΩ 1/8W-J	1000	0.001
R421	5.6KΩ 1/8W-J	1000	0.001
R422	82KΩ 1/8W-J	1000	0.001
R423	1KΩ 1/8W-J	1000	0.001
R425	1KΩ 1/8W-J	1000	0.001
R426	56KΩ 1/8W-J	1000	0.001
R427	56KΩ 1/8W-J	1000	0.001
R428	56KΩ 1/8W-J	1000	0.001
R429	56KΩ 1/8W-J	1000	0.001
R430	56KΩ 1/8W-J	1000	0.001

Parts No.	Description	Quantity	Unit Price
R431	5.6KΩ 1/8W-J	1000	0.001
R432	100KΩ 1/8W-J	1000	0.001
R433	100Ω 1/8W-J	1000	0.001
R434	22KΩ 1/8W-J	1000	0.001
R435	68KΩ 1/8W-J	1000	0.001
R437	560Ω 1/8W-J	1000	0.001
R441	5.6KΩ 1/8W-J	1000	0.001
R442	56KΩ 1/8W-J	1000	0.001
R443	5.6KΩ 1/8W-J	1000	0.001
R445	5.6KΩ 1/8W-J	1000	0.001
R446	1KΩ 1/8W-J	1000	0.001
R447	10KΩ 1/8W-J	1000	0.001
R448	56KΩ 1/8W-J	1000	0.001
R449	560Ω 1/8W-J	1000	0.001
R450	2.2KΩ 1/2W-J	1000	0.001
R451	2.2KΩ 1/2W-J	1000	0.001
R453	56KΩ 1/8W-J	1000	0.001
R454	10Ω 1/2W-J	1000	0.001
R455	56KΩ 1/8W-J	1000	0.001
R465	3.3KΩ 1/8W-J	1000	0.001
R466	220Ω 1/8W-J	1000	0.001
R467	10KΩ 1/8W-J	1000	0.001
R468	22Ω 1/8W-J	1000	0.001
R469	3.3KΩ 1/8W-J	1000	0.001
R470	680Ω 1/8W-J	1000	0.001
R471	680KΩ 1/8W-J	1000	0.001
R472	100KΩ 1/8W-J	1000	0.001
R473	10KΩ 1/8W-J	1000	0.001
R475	100KΩ 1/8W-J	1000	0.001
R476	82KΩ 1/8W-J	1000	0.001
R477	47KΩ 1/8W-J	1000	0.001
R478	100KΩ 1/8W-J	1000	0.001
R479	220KΩ 1/8W-J	1000	0.001
R480	5.6KΩ 1/8W-J	1000	0.001
R481	5.6KΩ 1/8W-J	1000	0.001
R482	100KΩ 1/8W-J	1000	0.001
R483	100KΩ 1/8W-J	1000	0.001
R484	330KΩ 1/8W-J	1000	0.001
R485	10KΩ 1/8W-J	1000	0.001
R486	47KΩ 1/8W-J	1000	0.001
R487	39KΩ 1/8W-J	1000	0.001
R488	39KΩ 1/8W-J	1000	0.001
R489	33KΩ 1/8W-J	1000	0.001
R490	390Ω 1/8W-J	1000	0.001
R491	120KΩ 1/8W-J	1000	0.001
R492	22KΩ 1/8W-J	1000	0.001
R493	22KΩ 1/8W-J	1000	0.001
R494	10KΩ 1/8W-J	1000	0.001
R495	220Ω 1/8W-J	1000	0.001
R496	10KΩ 1/8W-J	1000	0.001
R501	22KΩ 1/8W-J	1000	0.001
R502	3.3KΩ 1/8W-J	1000	0.001
R503	680KΩ 1/8W-J	1000	0.001
R504	5.6KΩ 1/8W-J	1000	0.001

Parts No.	Description
R505	100K Ω 1/8W-J
R506	100K Ω 1/8W-J
R507	18K Ω 1/8W-J
R508	39K Ω 1/8W-J
R509	82K Ω 1/8W-J
R510	10K Ω 1/8W-J
R511	5.6K Ω 1/8W-J
R512	3.3K Ω 1/8W-J
R513	220 Ω 1/8W-J
R514	47K Ω 1/8W-J
R515	680K Ω 1/8W-J
R516	10K Ω 1/8W-J
R521	5.6K Ω 1/8W-J
R522	82K Ω 1/8W-J
R523	1K Ω 1/8W-J
R525	1K Ω 1/8W-J
R526	56K Ω 1/8W-J
R527	56K Ω 1/8W-J
R528	56K Ω 1/8W-J
R529	56K Ω 1/8W-J
R530	56K Ω 1/8W-J
R531	5.6K Ω 1/8W-J
R532	100K Ω 1/8W-J
R533	100 Ω 1/8W-J
R534	22K Ω 1/8W-J
R535	68K Ω 1/8W-J
R537	560 Ω 1/8W-J
R541	5.6K Ω 1/8W-J
R542	56K Ω 1/8W-J
R543	5.6K Ω 1/8W-J
R545	5.6K Ω 1/8W-J
R546	1K Ω 1/8W-J
R547	10K Ω 1/8W-J
R548	56K Ω 1/8W-J
R549	560 Ω 1/8W-J
R550	2.2K Ω 1/2W-J
R551	2.2K Ω 1/2W-J
R553	56K Ω 1/8W-J
R554	10 Ω 1/2W-J
R555	47K Ω 1/8W-J
R566	100K Ω 1/8W-J
R567	1K Ω 1/2W-J
R568	1K Ω 1/2W-J
R569	100 Ω 1/2W-J
R570	1K Ω 1/8W-J
R571	22K Ω 1/8W-J
R572	10K Ω 1/8W-J
R573	5.6K Ω 1/8W-J
R574	100K Ω 1/8W-J
R576	68K Ω 1/8W-J
R577	6.8K Ω 1/8W-J
R578	10K Ω 1/8W-J
R579	1K Ω 1/8W-J
R580	12K Ω 1/8W-J

Parts No.	Description
R581	10K Ω 1/8W-J
R582	22K Ω 1/8W-J
R583	22K Ω 1/8W-J
R585	100 Ω 1/2W-J
R590	22K Ω 1/8W-J
R591	220K Ω 1/8W-J
R592	10K Ω 1/8W-J
R593	10K Ω 1/8W-J
R595	220 Ω 1/8W-J
R596	220 Ω 1/8W-J
R597	56 Ω 1/8W-J
R598	56 Ω 1/8W-J
R601	10K Ω 1/8W-J
R602	4.7K Ω 1/8W-J
R603	10 Ω 1/8W-J
R604	8.2K Ω 1/8W-J
R605	5.6K Ω 1/8W-J
R606	5.6K Ω 1/8W-J
R607	10K Ω 1/8W-J
R608	10K Ω 1/8W-J
R610	22K Ω 1/8W-J
R614	4.7K Ω 1/8W-J
R615	220K Ω 1/8W-J
R616	220K Ω 1/8W-J
R617	220K Ω 1/8W-J
R618	220K Ω 1/8W-J
R619	220K Ω 1/8W-J
R620	56 Ω 1/8W-J
R621	330 Ω 1/8W-J
R622	6.8K Ω 1/8W-J
R623	22K Ω 1/8W-J
R626	22K Ω 1/8W-J
R640	1.5K Ω 1/8W-J
R655	4.7K Ω 1/8W-J
R656	4.7K Ω 1/8W-J
R657	4.7K Ω 1/8W-J
R658	4.7K Ω 1/8W-J
R659	4.7K Ω 1/8W-J
R660	4.7K Ω 1/8W-J
R661	4.7K Ω 1/8W-J
R662	4.7K Ω 1/8W-J
R663	4.7K Ω 1/8W-J
R664	22K Ω 1/8W-J
R666	100K Ω 1/8W-J
R667	4.7K Ω 1/8W-J
R668	4.7K Ω 1/8W-J
R669	4.7K Ω 1/8W-J
R670	12K Ω 1/8W-J
R671	5.6K Ω 1/8W-J
R672	4.7K Ω 1/8W-J
R673	10K Ω 1/8W-J
R674	100K Ω 1/8W-J
R675	1K Ω 1/8W-J
R676	4.7K Ω 1/8W-J

Parts No.	Description
R677	5.1K Ω 1/8W-J
R678	100K Ω 1/8W-J
R680	100K Ω 1/8W-J
R681	4.7K Ω 1/8W-J
R682	5.6K Ω 1/8W-J
R683	4.7K Ω 1/8W-J
R684	10K Ω 1/8W-J
R685	100K Ω 1/8W-J
R686	1K Ω 1/8W-J
R687	4.7K Ω 1/8W-J
R688	1K Ω 1/8W-J
R689	100K Ω 1/8W-J
R690	4.7K Ω 1/8W-J
R691	22K Ω 1/8W-J
R692	22K Ω 1/8W-J
R692	22K Ω 1/8W-J
R693	10K Ω 1/8W-J
R694	5.6K Ω 1/8W-J
R695	22K Ω 1/8W-J
R696	22K Ω 1/8W-J
• CERAMIC	
C201	SL470pF 50V-J
C211	SL470pF 50V-J
C266	SL470pF 50V-J
C271	SL8pF 50V-D
C272	SL15pF 50V-J
C273	SL120pF 50V-J
C276	SL10pF 50V-D
C277	SL470pF 50V-J
C278	SL150pF 50V-J
C279	SL180pF 50V-J
C280	SL33pF 50V-J
C285	SL470pF 50V-J
C286	SL180pF 50V-J
C287	SL220pF 50V-J
C288	SL330pF 50V-J
C301	SL470pF 50V-J
C311	SL470pF 50V-J
C366	SL470pF 50V-J
C371	SL8pF 50V-D
C372	SL15pF 50V-J
C373	SL120pF 50V-J
C376	SL10pF 50V-D
C377	SL470pF 50V-J
C378	SL150pF 50V-J
C379	SL180pF 50V-J
C380	SL33pF 50V-J
C386	SL180pF 50V-J
C387	SL220pF 50V-J
C388	SL330pF 50V-J
C404	SL220pF 50V-J
C407	SL220pF 50V-J
C427	SL560pF 50V-K

Parts No.	Description
C431	SL470pF 50V-J
C433	SL100pF 50V-J
C434	SL47pF 50V-J
C439	SL220pF 50V-J
C442	SL100pF 50V-J
C445	B0.0047 μ F 50V-K
C446	SL100pF 50V-J
C469	B0.001 μ F 50V-K
C470	B0.001 μ F 50V-K
C473	SL470pF 50V-J
C474	SL470pF 50V-J
C476	F0.022 μ F 50V-Z
C479	SL220pF 50V-J
C486	F0.022 μ F 50V-Z
C488	SL470pF 50V-J
C490	B0.0022 μ F
C497	F0.022 μ F 50V-Z
C498	F0.022 μ F 50V-Z
C504	SL220pF 50V-J
C507	SL220pF 50V-J
C527	SL560pF 50V-K
C531	SL470pF 50V-J
C533	SL100pF 50V-J
C534	SL47pF 50V-J
C539	SL220pF 50V-J
C542	SL100pF 50V-J
C545	B0.0047 μ F 50V-K
C546	SL100pF 50V-J
C569	F0.022 μ F 50V-Z
C571	F0.022 μ F 50V-Z
C574	F0.022 μ F 50V-Z
C578	F0.022 μ F 50V-Z
C579	F0.022 μ F 50V-Z
C580	F0.022 μ F 50V-Z
C581	F0.022 μ F 50V-Z
C582	F0.022 μ F 50V-Z
C583	F0.022 μ F 50V-Z
C584	F0.022 μ F 50V-Z
C585	F0.022 μ F 50V-Z
C594	F0.022 μ F 50V-Z
C597	F0.022 μ F 50V-Z
C601	SL330pF 100V-J
C603	F0.022 μ F 50V-Z
C608	SL100pF 50V-J
C622	F0.022 μ F 50V-Z
C643	F0.022 μ F 50V-Z
• MYLAR	
C204	0.033 μ F 50V-K
C206	0.012 μ F 50V-K
C214	0.033 μ F 50V-K
C216	0.012 μ F 50V-K
C232	0.001 μ F 50V-K
C234	0.001 μ F 50V-K

Parts No.	Description	Notes	Ref. Des.
C236	0.033μF 50V-K		4-42
C237	0.0047μF 50V-K		1-40
C238	0.01μF 50V-K		4-40
C239	0.1μF 50V-K		4-40
C240	0.033μF 50V-K		1-40
C263	0.0047μF 50V-K		4-40
C264	0.0082μF 50V-K		4-40
C267	0.0047μF 50V-K		4-40
C304	0.033μF 50V-K		4-40
C306	0.012μF 50V-K		4-40
C314	0.033μF 50V-K		4-40
C316	0.012μF 50V-K		4-40
C332	0.001μF 50V-K		4-40
C334	0.001μF 50V-K		4-40
C336	0.033μF 50V-K		4-40
C337	0.0047μF 50V-K		4-40
C338	0.01μF 50V-K		4-40
C339	0.1μF 50V-K		4-40
C340	0.033μF 50V-K		4-40
C363	0.0047μF 50V-K		4-40
C364	0.0082μF 50V-K		4-40
C367	0.0047μF 50V-K		4-40
C423	0.033μF 50V-K		4-40
C425	0.0056μF 50V-K		4-40
C426	0.056μF 50V-K		
C428	0.01μF 50V-K		
C429	0.047μF 50V-K		
C432	0.0047μF 50V-K		
C436	0.15μF 50V-K		
C449	0.1μF 50V-K		
C480	0.0056μF 50V-K		
C481	0.0068μF 50V-K		
C482	0.0082μF 50V-K		
C483	0.0056μF 50V-K		
C487	0.01μF 50V-K		
C523	0.033μF 50V-K		
C525	0.0056μF 50V-K		
C526	0.056μF 50V-K		
C528	0.01μF 50V-K		
C529	0.047μF 50V-K		
C532	0.0047μF 50V-K		
C536	0.15μF 50V-K		
C549	0.1μF 50V-K		
C602	0.0018μF 100V-K		
C604	0.022μF 50V-K		
C605	0.01μF 50V-K		
C607	0.01μF 50V-K		
• ELECTRIC CAPACITOR			
C202	4.7μF 25V-M		
C203	47μF 10V-M		
C205	4.7μF 25V-M		
C207	220μF 16V-M		
C212	4.7μF 25V-M		

Parts No.	Description	Notes	Ref. Des.
C213	47μF 10V-M		4-40
C215	4.7μF 25V-M		4-40
C217	220μF 16V-M		1-40
C221	47μF 10V-M		4-40
C222	47μF 10V-M		4-40
C230	4.7μF 25V-M		4-40
C231	4.7μF 25V-M		4-40
C233	4.7μF 25V-M		4-40
C235	4.7μF 25V-M		1-40
C241	4.7μF 25V-M		1-40
C242	1μF 50V-M		4-40
C243	1μF 50V-M		4-40
C244	220μF 10V-M		4-40
C245	220μF 16V-M		1-40
C246	220μF 16V-M		1-40
C251	10μF 16V-M		4-40
C252	47μF 10V-M		4-40
C253	47μF 10V-M		4-40
C255	47μF 10V-M		4-40
C256	47μF 10V-M		4-40
C260	4.7μF 25V-M		4-40
C261	4.7μF 25V-M		4-40
C262	22μF 10V-M		4-40
C265	0.22μF 50V-M		4-40
C268	4.7μF 25V-M		4-40
C269	220μF 16V-M		4-40
C270	22μF 10V-M		4-40
C274	0.33μF 50V-M		4-40
C275	0.1μF 50V-M		4-40
C281	100μF 10V-M		4-40
C282	10μF 16V-M		4-40
C284	10μF 16V-M		4-40
C302	4.7μF 25V-M		4-40
C303	47μF 10V-M		4-40
C305	4.7μF 25V-M		4-40
C312	4.7μF 25V-M		4-40
C313	47μF 10V-M		4-40
C315	4.7μF 25V-M		4-40
C330	4.7μF 25V-M		4-40
C331	4.7μF 25V-M		4-40
C333	4.7μF 25V-M		4-40
C335	4.7μF 25V-M		4-40
C341	4.7μF 25V-M		4-40
C342	1μF 50V-M		4-40
C343	1μF 50V-M		4-40
C351	10μF 16V-M		4-40
C360	4.7μF 25V-M		4-40
C361	4.7μF 25V-M		4-40
C362	22μF 10V-M		4-40
C365	0.22μF 50V-M		4-40
C368	4.7μF 25V-M		4-40
C369	4.7μF 25V-M		4-40
C370	100μF 10V-M		4-40
C374	0.33μF 50V-M		

Parts No.	Description	QTY	PRICE
C375	0.1μF 50V-M	1	0.05
C384	10μF 16V-M	1	0.10
C401	1μF 50V-M	1	0.05
C402	4.7μF 25V-M	1	0.10
C403	10μF 16V-M	1	0.10
C405	4.7μF 25V-M	1	0.10
C406	1μF 50V-M	1	0.05
C408	4.7μF 25V-M	1	0.10
C411	1μF 50V-M	1	0.05
C421	1μF 50V-M	1	0.05
C424	2.2μF 50V-M	1	0.10
C430	0.22μF 50V-M	1	0.05
C435	1μF 50V-M	1	0.05
C437	4.7μF 25V-M	1	0.10
C440	1μF 50V-M	1	0.05
C443	220μF 16V-M	1	0.10
C444	1μF 50V-M	1	0.05
C447	100μF 10V-M	1	0.10
C448	47μF 10V-M	1	0.05
C457	47μF 10V-M	1	0.05
C465	100μF 16V-M	1	0.10
C466	1μF 50V-M	1	0.05
C467	1μF 50V-M	1	0.05
C468	0.1μF 50V-M	1	0.05
C471	1μF 50V-M	1	0.05
C472	4.7μF 25V-M	1	0.10
C475	10μF 16V-M	1	0.10
C477	220μF 10V-M	1	0.10
C478	4.7μF 25V-M	1	0.10
C484	4.7μF 25V-M	1	0.10
C485	0.1μF 50V-M	1	0.05
C489	100μF 16V-M	1	0.10
C491	47μF 10V-M	1	0.05
C492	1μF 50V-M	1	0.05
C493	1μF 50V-M	1	0.05
C495	6800μF 50V-M	1	0.10
C496	6800μF 50V-M	1	0.10
C501	1μF 50V-M	1	0.05
C502	4.7μF 25V-M	1	0.10
C503	10μF 16V-M	1	0.10
C505	4.7μF 25V-M	1	0.10
C506	1μF 50V-M	1	0.05
C508	4.7μF 25V-M	1	0.10
C511	1μF 50V-M	1	0.05
C521	1μF 50V-M	1	0.05
C524	2.2μF 50V-M	1	0.10
C530	0.22μF 50V-M	1	0.05
C535	1μF 50V-M	1	0.05
C537	4.7μF 25V-M	1	0.10
C540	1μF 50V-M	1	0.05
C543	220μF 16V-M	1	0.10
C544	1μF 50V-M	1	0.05
C547	100μF 10V-M	1	0.10

Parts No.	Description	QTY	PRICE
C548	47μF 10V-M	1	0.05
C557	47μF 10V-M	1	0.05
C565	10μF 16V-M	1	0.10
C566	10μF 35V-M	1	0.10
C567	100μF 35V-M	1	0.10
C568	220μF 10V-M	1	0.10
C570	220μF 16V-M	1	0.10
C572	4.7μF 25V-M	1	0.10
C573	47μF 10V-M	1	0.05
C574	4.7μF 25V-M	1	0.10
C592	1000μF 16V-M	1	0.10
C593	100μF 16V-M	1	0.10
C595	1000μF 16V-M	1	0.10
C596	100μF 16V-M	1	0.10
C598	2200μF 25V-M	1	0.10
C606	220μF 16V-M	1	0.10
C612	10μF 16V-M	1	0.10
C613	10μF 16V-M	1	0.10
C614	100μF 16V-M	1	0.10
C620	220μF 10V-M	1	0.10
C621	100μF 10V-M	1	0.10
C640	100μF 10V-M	1	0.10
C644	220μF 16V-M	1	0.10
C646	47μF 10V-M	1	0.05
SCREW TERMINAL			
L20	AM LOOP ANT.	1	0.10
ASS'Y TUNER MAIN PCB			
PB1	TUNER MAIN PCB 33470B	1	0.10
J1	ANT. TERMINAL HSP-103V	1	0.05
J2	ANT. TERMINAL HSP-102V	1	0.05
J3	RCA JACK HSP-232V100	1	0.05
J4	CONNECTOR 53095-1510	1	0.05
J5	CONNECTOR 53095-1510	1	0.05
J6	CONNECTOR 53095-1510	1	0.05
J7	CONNECTOR 52007-0510	1	0.05
J14	CONNECTOR 52007-1010	1	0.05
S1	SLIDE SWITCH SK-22F18-GS-NS	1	0.10
VR1	TRIMMER POTENTIOMETER FRB-065-50	1	0.10
CF1	CERAMIC FILTER SK10.7M4-AO-20	1	0.10
CF2	CERAMIC FILTER SK10.7M4-AO-20	1	0.10
CF3	CERAMIC FILTER SK10.7M4-AO-20	1	0.10
CF4	CERAMIC FILTER AHC FM2-450BL	1	0.10
IFT2	FM IFT M292MCAS-6114 FKG	1	0.10
IFT3	AM IFT A7LCS-12179AQ	1	0.10
L5	AM ANT COIL MRHNF-45635	1	0.10
L7	AM OSC COIL A7BRS-11966AN	1	0.10
L21	BALUN TRANS BL-H002	1	0.10
LPF1	MPX FILTER 253AGGS-1340	1	0.10
LPF2	MPX FILTER 253AGGS-1340	1	0.10
TC5	TRIMMER CAPACITOR TZ03Z200FR169	1	0.10
X1	CERAMIC RESONATOR CMU2-456A10	1	0.10
X2	CRYSTAL HC-49/U 7.2MHZ	1	0.10

Parts No.	Description
LW1	LEAD CONNECTOR HFG0715-9401
LW4	1CORE SHIELD WIRE UL1561#28
LW8	LEAD WIRE UL1007#24
LW10	LEAD WIRE UL1007#24
	UL TUBE AWG2 EIT30 30 mm
IC1	IC LA1266
IC2	IC LA3401
IC3	TC9309F-078
IC4	TC9174P
IC5	BU4066B
IC6	BU4066B
• TRANSISTOR	
Q6	2SC1923R
Q7	2SA1317U
Q8	2SC3330U
Q14	2SC3330U
Q15	2SC3330U
Q16	2SA1317U
Q17	2SA1317U
Q18	2SC3330U
Q19	2SA1317U
Q20	2SC3330U
Q21	2SC3330U
Q22	2SC3330U
Q23	2SC3330U
Q24	2SC3330U
Q28	2SA1317U
Q29	2SC3330U
Q30	2SC3330U
Q35	2SC3330U
Q36	2SC3330U
Q38	2SC3330U
Q39	2SC3330U
Q40	2SD2012
Q41	2SD2012
Q42	2SD2012
Q43	2SB1375
Q44	2SC3330U
Q45	2SC3330U
Q46	2SC3330U
Q47	2SC3330U
Q48	2SC3330U
Q49	2SC3330U
Q50	2SC3330U
Q51	2SC3330U
Q52	2SA1317U
Q53	2SC3330U
Q54	2SA1317U
• DIODE	
D5	IN4002
D10	IN4148
D17	IN4148

Parts No.	Description
D21	IN4148
D22	IN4148
D28	IN4148
D29	IN4148
D30	IN4148
D31	IN4148
D36	IN4148
D37	IN4148
D41	IN4002
D42	IN4002
D43	IN4002
D44	IN4002
D53	IN4148
D54	IN4148
• ZENER DIODE	
D45	RD12E
D46	RD18E
• VARICAP DIODE	
D1	KV1236Z
D3	KV1236Z
• MICRO INDUCTOR	
L11	0.22μH
L12	4.7μH
L13	4.7μH
L14	4.7μH
L15	4.7μH
• CARBON	
R20	1.0KΩ 1/8W-J
R21	10KΩ 1/8W-J
R22	10KΩ 1/8W-J
R23	1.0KΩ 1/8W-J
R24	10KΩ 1/8W-J
R25	10KΩ 1/8W-J
R26	1.0KΩ 1/8W-J
R27	10Ω 1/8W-J
R34	100KΩ 1/8W-J
R37	100KΩ 1/8W-J
R41	150Ω 1/8W-J
R42	100Ω 1/8W-J
R43	330Ω 1/8W-J
R44	270KΩ 1/8W-J
R45	330Ω 1/8W-J
R46	10Ω 1/8W-J
R47	68KΩ 1/8W-J
R49	5.6KΩ 1/8W-J
R50	2.2KΩ 1/8W-J
R51	10KΩ 1/8W-J
R52	22KΩ 1/8W-J
R53	10KΩ 1/8W-J
R54	2.2KΩ 1/8W-J
R55	6.8KΩ 1/8W-J

Parts No.	Description	Weight	QTY
R56	15K Ω 1/8W-J	0.001	100
R58	3.3K Ω 1/8W-J	0.001	100
R59	22K Ω 1/8W-J	0.001	100
R60	10K Ω 1/8W-J	0.001	100
R61	10K Ω 1/8W-J	0.001	100
R62	10K Ω 1/8W-J	0.001	100
R63	10K Ω 1/8W-J	0.001	100
R64	5.6K Ω 1/8W-J	0.001	100
R65	6.8K Ω 1/8W-J	0.001	100
R66	47K Ω 1/8W-J	0.001	100
R67	47K Ω 1/8W-J	0.001	100
R68	3.3K Ω 1/8W-J	0.001	100
R69	560K Ω 1/8W-J	0.001	100
R70	560K Ω 1/8W-J	0.001	100
R71	3.3K Ω 1/8W-J	0.001	100
R72	3.3K Ω 1/8W-J	0.001	100
R73	3.3K Ω 1/8W-J	0.001	100
R74	10K Ω 1/8W-J	0.001	100
R75	10K Ω 1/8W-J	0.001	100
R76	100K Ω 1/8W-J	0.001	100
R77	10K Ω 1/8W-J	0.001	100
R78	10K Ω 1/8W-J	0.001	100
R79	100K Ω 1/8W-J	0.001	100
R80	4.7K Ω 1/8W-J	0.001	100
R81	100K Ω 1/8W-J	0.001	100
R83	22K Ω 1/8W-J	0.001	100
R84	5.6K Ω 1/8W-J	0.001	100
R85	10K Ω 1/8W-J	0.001	100
R87	10K Ω 1/8W-J	0.001	100
R88	1.0K Ω 1/8W-J	0.001	100
R89	10K Ω 1/8W-J	0.001	100
R90	1.0K Ω 1/8W-J	0.001	100
R91	10K Ω 1/8W-J	0.001	100
R96	10K Ω 1/8W-J	0.001	100
R97	10K Ω 1/8W-J	0.001	100
R98	10K Ω 1/8W-J	0.001	100
R99	10K Ω 1/8W-J	0.001	100
R100	4.7K Ω 1/8W-J	0.001	100
R101	2.2K Ω 1/8W-J	0.001	100
R102	330K Ω 1/8W-J	0.001	100
R103	330K Ω 1/8W-J	0.001	100
R104	2.2K Ω 1/8W-J	0.001	100
R105	100K Ω 1/8W-J	0.001	100
R106	100K Ω 1/8W-J	0.001	100
R107	100K Ω 1/8W-J	0.001	100
R108	100K Ω 1/8W-J	0.001	100
R109	100K Ω 1/8W-J	0.001	100
R110	15K Ω 1/8W-J	0.001	100
R111	680 Ω 1/8W-J	0.001	100
R112	5.6K Ω 1/8W-J	0.001	100
R113	1.0K Ω 1/8W-J	0.001	100
R114	1.0K Ω 1/8W-J	0.001	100
R115	1.0K Ω 1/8W-J	0.001	100
R116	100K Ω 1/8W-J	0.001	100

Parts No.	Description	Weight	QTY
R117	10K Ω 1/8W-J	0.001	100
R118	1.0K Ω 1/8W-J	0.001	100
R119	22K Ω 1/8W-J	0.001	100
R120	100K Ω 1/8W-J	0.001	100
R121	100K Ω 1/8W-J	0.001	100
R122	2.2K Ω 1/8W-J	0.001	100
R124	10K Ω 1/8W-J	0.001	100
R125	10K Ω 1/8W-J	0.001	100
R126	10K Ω 1/8W-J	0.001	100
R127	10K Ω 1/8W-J	0.001	100
R128	560 Ω 1/8W-J	0.001	100
R129	10K Ω 1/8W-J	0.001	100
R130	10K Ω 1/8W-J	0.001	100
R131	1.0K Ω 1/8W-J	0.001	100
R132	1.0K Ω 1/8W-J	0.001	100
R133	2.2K Ω 1/8W-J	0.001	100
R134	100 Ω 1/8W-J	0.001	100
R135	100K Ω 1/8W-J	0.001	100
R136	100K Ω 1/8W-J	0.001	100
R137	2.2K Ω 1/8W-J	0.001	100
R138	2.2K Ω 1/8W-J	0.001	100
R139	100K Ω 1/8W-J	0.001	100
R140	100K Ω 1/8W-J	0.001	100
R141	10K Ω 1/8W-J	0.001	100
R142	10K Ω 1/8W-J	0.001	100
R143	100K Ω 1/8W-J	0.001	100
R144	100K Ω 1/8W-J	0.001	100
R145	100K Ω 1/8W-J	0.001	100
R146	100K Ω 1/8W-J	0.001	100
R147	100K Ω 1/8W-J	0.001	100
R148	100K Ω 1/8W-J	0.001	100
R149	100K Ω 1/8W-J	0.001	100
R150	100K Ω 1/8W-J	0.001	100
R151	8.2K Ω 1/8W-J	0.001	100
R152	8.2K Ω 1/8W-J	0.001	100
R153	100K Ω 1/8W-J	0.001	100
R154	10K Ω 1/8W-J	0.001	100
R155	27K Ω 1/8W-J	0.001	100
R156	10K Ω 1/8W-J	0.001	100
R157	10K Ω 1/8W-J	0.001	100
R158	2.2K Ω 1/8W-J	0.001	100
R159	27K Ω 1/8W-J	0.001	100
R160	100K Ω 1/8W-J	0.001	100
R161	180 Ω 1/8W-J	0.001	100
R162	330 Ω 1/8W-J	0.001	100
R163	56 Ω 1/8W-J	0.001	100
R164	180 Ω 1/8W-J	0.001	100
R165	2.2K Ω 1/8W-J	0.001	100
R166	56 Ω 1/8W-J	0.001	100
R167	1.0K Ω 1/8W-J	0.001	100
R168	22K Ω 1/8W-J	0.001	100
R169	15K Ω 1/8W-J	0.001	100
R170	10K Ω 1/8W-J	0.001	100
R171	220 Ω 1/8W-J	0.001	100

Parts No.	Description
R172	82K Ω 1/8W-J
R173	100K Ω 1/8W-J
R174	4.7K Ω 1/8W-J
R175	82K Ω 1/8W-J
R176	100K Ω 1/8W-J
R177	4.7K Ω 1/8W-J
R178	4.7K Ω 1/8W-J
R179	220K Ω 1/8W-J
R180	220K Ω 1/8W-J
R181	220 Ω 1/8W-J
R182	33K Ω 1/8W-J
R183	390K Ω 1/8W-J
R184	1.0K Ω 1/8W-J
R185	1.5K Ω 1/8W-J
R186	82K Ω 1/8W-J
R187	33K Ω 1/8W-J
R188	390K Ω 1/8W-J
R189	1.0K Ω 1/8W-J
R190	1.5K Ω 1/8W-J
R191	82K Ω 1/8W-J
R192	5.6K Ω 1/8W-J
R193	1.0K Ω 1/8W-J
R194	56K Ω 1/8W-J
R195	1.0K Ω 1/8W-J
R196	5.6K Ω 1/8W-J
R197	1.0K Ω 1/8W-J
R198	56K Ω 1/8W-J
R199	1.0K Ω 1/8W-J

• FUSABLE RESISTOR

R57	39 Ω 1/4W-J
R82	10 Ω 1/4W-J

• CERAMIC

C31	B0.01 μ F 50V-K
C32	B0.01 μ F 50V-K
C37	F0.1 μ F 50V-Z
C41	B0.01 μ F 50V-K
C43	SL22pF 50V-J
C45	SL560pF 50V-J
C46	F0.047 μ F 50V-Z
C49	B0.01 μ F 50V-K
C51	SL680pF 50V-J
C52	SL20pF 50V-J
C53	B0.01 μ F 50V-K
C54	F0.022 μ F 50V-Z
C55	F0.022 μ F 50V-Z
C56	B0.01 μ F 50V-K
C57	F0.047 μ F 50V-Z
C58	F0.047 μ F 50V-Z
C59	SL33pF 50V-J
C60	F0.047 μ F 50V-Z
C62	F0.047 μ F 50V-Z
C64	SL10pF 50V-D
C65	SL100pF 50V-J

Parts No.	Description
C66	SL33pF 50V-J
C71	F0.047 μ F 50V-Z
C78	SL470pF 50V-J
C85	F0.022 μ F 50V-Z
C87	F0.047 μ F 50V-Z
C88	B0.0022 μ F 50V-K
C89	F0.1 μ F 50V-Z
C91	B0.0022 μ F 50V-K
C95	F0.1 μ F 50V-Z
C96	F0.1 μ F 50V-Z
C98	F0.1 μ F 50V-Z
C100	F0.1 μ F 50V-Z
C101	SL30pF 50V-J
C102	SL30pF 50V-J
C103	F0.022 μ F 50V-Z
C104	B0.01 μ F 50V-K
C107	B0.01 μ F 50V-K
C108	B0.01 μ F 50V-K
C109	B0.01 μ F 50V-K
C110	B0.01 μ F 50V-K
C122	F0.1 μ F 50V-Z
C132	SL100pF 50V-J
C135	SL100pF 50V-J
C139	F0.022 μ F 50V-Z
C141	SL100pF 50V-J
C142	SL100pF 50V-J
C143	SL100pF 50V-J
C144	SL100pF 50V-J
C145	SL100pF 50V-J
C146	SL100pF 50V-J
C147	SL100pF 50V-J
C148	SL100pF 50V-J
C149	SL100pF 50V-J
C150	SL100pF 50V-J
C151	SL100pF 50V-J
C152	SL100pF 50V-J
C153	SL100pF 50V-J
C154	SL100pF 50V-J
C161	F0.047 μ F 50V-Z
C162	F0.047 μ F 50V-Z
C163	F0.047 μ F 50V-Z
C164	F0.047 μ F 50V-Z
C167	F0.022 μ F 50V-Z
C174	F0.022 μ F 50V-Z
C175	F0.022 μ F 50V-Z
C176	F0.022 μ F 50V-Z
C177	SL100pF 50V-J
C178	SL100pF 50V-J
C185	SL100pF 50V-J
C187	SL100pF 50V-J
C192	SL100pF 50V-J
C193	SL100pF 50V-J

Parts No.	Description	QTY
• MYLAR		
C67	0.015μF 50V-K	100
C74	0.0015μF 50V-J	250
C75	0.0015μF 50V-J	250
C183	0.0022μF 50V-K	100
C184	0.01μF 50V-K	200
C189	0.0022μF 50V-K	200
C190	0.01μF 50V-K	100
• ELECTRIC CAPACITOR		
C33	4.7μF 25V-M	200
C34	47μF 10V-M	200
C47	10μF 16V-M	200
C48	4.7μF 25V-M	200
C50	3.3μF 50V-M	200
C61	100μF 16V-M	200
C63	33μF 16V-M	200
C68	100μF 16V-M	200
C69	1μF 50V-M	200
C70	0.22μF 50V-M	200
C72	1μF 50V-M	200
C73	1μF 50V-M	200
C76	10μF 16V-M	200
C77	10μF 16V-M	200
C79	10μF 16V-M	200
C80	10μF 16V-M	200
C81	10μF 16V-M	200
C82	10μF 16V-M	200
C83	10μF 16V-M	200
C84	10μF 16V-M	200
C86	0.47μF 50V-M	200
C90	1μF 50V-M	200
C97	47μF 16V-M	200
C99	1000μF 10V-M	200
C121	4.7μF 25V-M	200
C123	4.7μF 25V-M	200
C124	4.7μF 25V-M	200
C125	10μF 16V-M	200
C126	4.7μF 25V-M	200
C127	4.7μF 25V-M	200
C128	4.7μF 25V-M	200
C129	4.7μF 25V-M	200
C130	4.7μF 25V-M	200
C131	4.7μF 25V-M	200
C133	4.7μF 25V-M	200
C134	4.7μF 25V-M	200
C136	4.7μF 25V-M	200
C137	220μF 16V-M	200
C165	2200μF 25V-M	200
C166	2200μF 25V-M	200
C168	220μF 16V-M	200
C169	220μF 16V-M	200
C170	100μF 25V-M	200
C171	100μF 25V-M	200

Parts No.	Description	QTY
C172	100μF 25V-M	200
C173	100μF 25V-M	200
C179	33μF 16V-M	200
C180	33μF 16V-M	200
C181	220μF 16V-M	200
C182	4.7μF 25V-M	200
C186	4.7μF 25V-M	200
C188	4.7μF 25V-M	200
C191	100μF 10V-M	200
C194	4.7μF 25V-M	200
C195	100μF 10V-M	200

REMOCON UNIT 007

1	REMOCON MAIN CABINET RM007-001
2	REMOCON REAR CABINET RM007-002
3	BATTERY COVER RM004-003
4	REMOCON WINDOW RM004-004
6	RUBBER SWITCH RM002-003
7	PLATE RM007-004
8	BATTERY TERMINAL (A) RM004-005
9	BATTERY TERMINAL (B) RM004-006
10	BATTERY TERMINAL (C) RM004-007
12	SCREW TPP2X6SBK-B
14	POLY BAG 0.03X100X230

ASS'Y REMOCON PCB

PB20	REMOCON PCB 33474
IC950	IC μPD6122G-001
Q950	TRANSISTOR 2SD1768S OR 2SD2152Q
D950	DIODE EL1L1 OR EL1L2-S
X950	CERAMIC RESONATOR P55DCRKL455-M13

• DIODE

D952	IN4148
D953	IN4148
D954	IN4148

• CARBON

R950	1Ω 1/8W-J
R951	220KΩ 1/8W-J
R952	220KΩ 1/8W-J
R953	220KΩ 1/8W-J

• CERAMIC

C951	SL220pF 50V-J
C952	SL220pF 50V-J

• ELECTRIC CAPACITOR

C950	47μF 10V-M ø5X11
------	------------------

Parts No.	Description
-----------	-------------

SPEAKER SYSTEM

1	MAIN SP CABINET (L) FX33-090
2	MAIN SP CABINET (R) FX33-091
3	NET FRAME (L) FX33-092
4	NET FRAME (R) FX33-093
5	BADGE NSX02-027
7	DUCT FX33-094
9	SP BOX (L) FX33-096
10	SP BOX (R) FX33-097
12	CUSHION
13	SPEC LABEL1174-015
15	SCREW TPB3X16SBK-A
18	SP SNOW BOX FX33-102
19	POLY BAG 0.04X250X220X530
SP1	6-1/2 INCH WOOFER 16A 0478
SP2	3 INCH TWEETER 8A0542
SP3	PIEZO TWEETER S027JC01
SP4	6-1/2 INCH WOOFER
SP5	3 INCH TWEETER
SP6	PIEZO TWEETER
LW	LEAD WIRE

BP ELECTRIC 2.2μF 50V-M

N/W COIL 0.39mH

• **ACCESSORIES**

- SPEAKER SYSTEM SPS06
- SPEAKER CORD UL 2468 #22 RED/BLK 2500MM
- REMOCON RM-007
- FM ANTENNA LEAD RPL-062

• **ARTICLES OF CONSUMPTION**

- TINNED WIREø0.5
- TINNED IWRE ø0.6
- SOLDER WITH RESIN 0.6% 1.2mm
- SOLDER BAR
- FLUX
- SOLVENT
- BINDING MATERIAL DB-1603HFR,DB-1600
- SCREW LOCK PAINT B-1401-B
- SILICONE OIL YG6260
- SILICONE OIL G332
- DOUBLE FACE TAPE No. 500 (W=4mm)
- UL TUBE #24 EIT-30

PARTS LIST OF EXPLODED VIEW

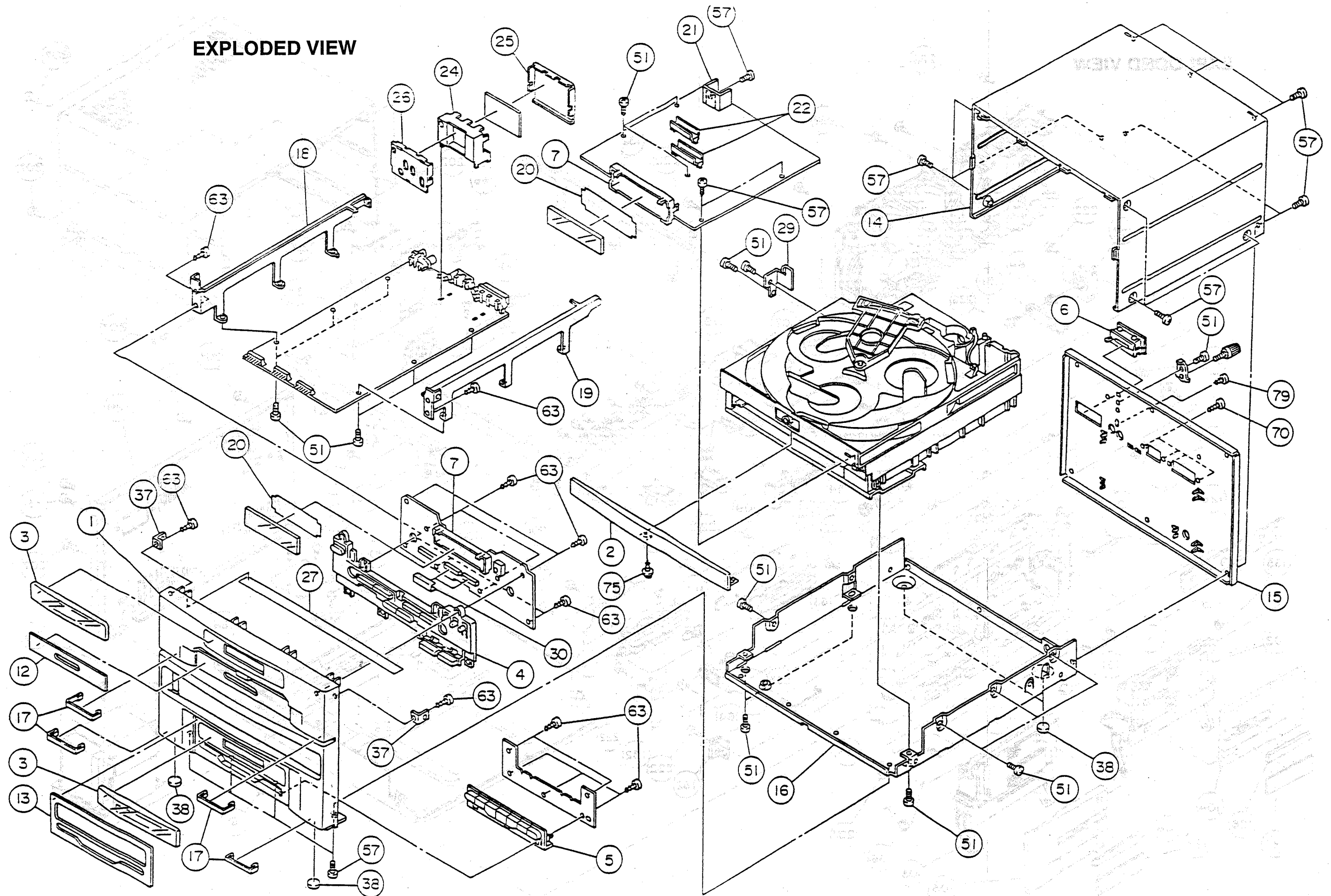
Parts No.	Description
CABINET TUNER/CD BLOCK	
1	FRONT PANEL (A) FX33-001
2	CD DOOR FX33-003
3	LCD WINDOW FX33-008
4	PUSH BUTTON (A) FX33-010
5	PUSH BUTTON (B) FX33-011
6	WIRE BUSHING FX33-023
7	LCD HOLDER FX33-024
12	CONTROL PLATE (A) FX33-031
13	CONTROL PLATE (B) FX33-032
14	TOP COVER FX33-036
15	REAR COVER (A) FX33-038
16	BOTTOM COVER (A) FX33-041
17	DECORATION PLATE FX33-043
18	PCB BRACKET (A) FX33-044
19	PCB BRACKET (B) FX33-045
20	LCD FILTER FX33-052
21	HEAT SINK (C) FX33-061
22	HEAT SINK (D) FX33-062
24	SHIELD PLATE (A) FX33-056
27	PVC SHEET FX33-065
28	CUSHION 563-035
29	MECHA BRACKET FX33-066
30	INSULATION PLATE FX33-067
31	FIBER WASHER $\phi 3 \times \phi 8 \times 1$
33	FIBER WASHER $\phi 3 \times \phi 6 \times 0.5$
37	BRACKET (B) NSX01-025
38	FOOTRUBBER NSX04-044
41	SPEC SHEET 7400-015

CABINET AMP/DECK BLOCK

101	FRONT PANEL (B) FX33-002
102	TAPE HOLDER (A) FX33-004
103	TAPE HOLDER (B) FX33-005
104	TAPE COVER (A) FX33-006
105	TAPE COVER (B) FX33-007
106	TAPE COVER WINDOW FX33-009
107	PUSH BUTTON (C) FX33-012
108	PUSH BUTTON (D) FX33-013
109	PUSH BUTTON (E) FX33-014
110	PUSH BUTTON (F) FX33-015
111	PUSH BUTTON (G) FX33-016
112	PUSH BUTTON (H) FX33-017
113	PUSH BUTTON (I) FX33-018
114	PUSH BUTTON (J) FX33-019
115	VOLUME KNOB FX33-020
116	SLIDE KNOB (A) FX33-021
117	SLIDE KNOB (B) FX33-022
118	LED HOLDER FX33-026
119	ROTARY KNOB FX33-060
126	CONTROL PLATE (C) FX33-033
127	CONTROL PLATE (D) FX33-034
128	TOP COVER (B) FX33-037
129	REAR COVER (C) FX33-040

Parts No.	Description
130	BOTTOM COVER (B) FX33-042
131	DECORATION PLATE FX33-043
132	PCB BRACKET (A) FX33-044
133	PCB BRACKET (B) FX33-045
134	HEAT SINK (B) FX33-051
135	TAPE HOLDER SP (A) FX33-053
136	TAPE HOLDER SP (B) FX33-054
137	SWITCH BRACKET FX33-063
151	PUSH LOCK NX02-012A
152	PUSH LOCK HOLDER NX02-013
153	DUMPER CASE 9555-029
154	DUMPER GEAR 3610-012
161	FOOT RUBBER NSX04-044
162	T/HOLDER BRACKET (A) NX02-021
163	T/HOLDER BRACKET (B) NX02-022
164	PUSH LOCK SPRING NSX02-029
165	PCB BRACKET (A) FX01-050
166	IC HOLDER FX01-062
168	STRAIN RELIEF BUSHING SR-4N-4
169	FIBER WASHER $\phi 3 \times \phi 8 \times 0.4$
170	FIBER WASHER $\phi 3 \times \phi 6 \times 0.5$
171	DUAL VOLTAGE LABEL FX33-064
172	SPEC SHEET 7400-015

EXPLODED VIEW



EXPLODED VIEW

